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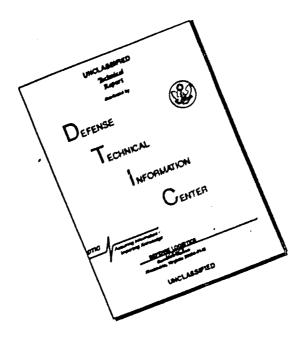
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# SMITHSONIAN INSTITUTION ASTROPHYSICAL OBSERVATORY

## Research in Space Science

SPECIAL REPORT

Number 67

CATALOGUE OF SATELLITE OBSERVATIONS No. C-23

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July 17, 1961
CAMBRIDGE 38. MASSACHUSETTS

SAO Special Report No. 67

CATALOGUE OF SATELLITE OBSERVATIONS

No. C-23

Prepared by D. V. Mechau

Smithsonian Institution Astrophysical Observatory

Cambridge 38, Massachusetts

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#### CATALOGUE OF SATELLITE OBSERVATIONS, NO. C-23

Prepared by D. V. Mechau

#### INTRODUCTION

This report lists observations of Satellites 1960 z1 (ECHO I) and 1960 z2 (carrier rocket, ECHO I) for the period September 1 through December, 1960. Because great numbers of observations were received for Satellite 1960 z1, we found it impractical and unnecessary to process all of them. Also, some observations were rejected because they were grossly in error. For these reasons, this report does not contain all observations received by SAO.

The observations listed include those from the Smithsonian Baker-Nunn camera stations, Moonwatch teams, U. S. and foreign observatories, military installations, Phototrack stations, and miscellaneous observers. A number of observations have been received from the National Space Surveillance Control Center (NSSCC), under an arrangement involving an exchange of observations of artificial earth satellites. Minitrack and Doppler data received by SAO are not included.

#### Units

The date given lists the month and day of the observation; the time (U. T.) is given in hours, minutes, and seconds; right ascension is in hours, minutes, and seconds; declination, azimuth, and altitude are in degrees, minutes, and seconds; azimuth is measured from north through east; the range is in kilometers.

An explanation of the Index Number appears on pages 3 and 4.

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#### EXPLANATION OF INDEX NUMBER

The index number in the column to the extreme right consists of six digits. The first digit indicates the precision of the time of the observation; the second and third digits, the precision of position; the fourth digit, the coordinate system and corrections; the fifth digit, the equator and equinox; the sixth digit, the type of instrumentation used in making the observation.

#### Precision of Time (1st digit)

Code number	$\epsilon_{tandard\ error\ in\ timing} = (\sigma_t)$	Code number	Etandard e <b>rro</b> r in timing (o <sub>t</sub> )
0	No estimate	5	.02 <sup>5</sup> < ರ <sub>೭</sub> < .05 <sup>5</sup>
ì	$\sigma_{\rm t} \leqslant .0003^{\rm s}$	6	.05° < o <sub>t</sub> ≤ .2°
5	$.003^{5} < \sigma_{t} \leqslant .002^{5}$	7	.2 <sup>6</sup> < o <sub>t</sub> <b>&lt; .5</b> <sup>8</sup>
3	$.\infty$ 2 $^{5}$ < $\sigma_{t} \le .\infty$ 5 $^{5}$	8	.5 <sup>8</sup> < o <sub>t</sub> < 2 <sup>8</sup>
4	.∞5 <sup>5</sup> < 0, € .02 <sup>5</sup>	9	o <sub>t</sub> > <b>2</b> <sup>5</sup>

#### Precision of Position (2nd and 3rd digits)

Code number#	Standard error in direction (o)	Code number⇔	Standard error in direction $\{\sigma_{\overline{D}}\}$	Çode number⇒	Standard error in direction (o <sub>p</sub> )
$\infty$	No estimate	17	16 <b>"</b> 5 < σ <sub>p</sub> < 17"5	34	217 < σ <sub>p</sub> < 315
01	σ <sub>D</sub> < 1 <b>"</b> 5	18	$17.5 < \sigma_{D} < 13.5$	35	3 <b>!5 &lt;</b> σ <sub>D</sub> ≤ 4!4
02	1"5 < m <sub>D</sub> < 2"5	19	$18.5 < \sigma_{\rm D} \le 19.5$	36	4!4 < σ <sub>D</sub> < 5:8
03	2"5 < m̄ < 3"5	20	$19.5 < \sigma_{\rm D} < 20.5$	37	5!8 < o <sub>D</sub> < 7!5
04	$3.5 < c_0 < 4.5$	21	20 <b>.</b> 5 < on <b>₹</b> 22"	38	7!5 < o <sub>D</sub> < 9!7
05	$4.5 < \sigma_{D} < 5.5$	25	$22'' < \sigma_{\rm p} \leq 23.5$	39	917 < σ <sub>D</sub> ≤ 13'
06	$5.5 < \sigma_{\rm p} < 6.5 $	23	23"5 < on € 26"	40	13' < σ <sub>D</sub> ≤ 17'
07	$6.5 < \sigma_{\rm D} < 7.5$	24	26" < σ <sub>D</sub> < 29"	41	. 17' < σ <sub>D</sub> ≤ 22'
08	$7.5 < \sigma_{\rm n} < 8.5$	25	29" < σ <sub>D</sub> <b>&lt; 3</b> 3"	42	22' < σ <sub>D</sub> ≤ 28'
09	$8.5 < \sigma_{n} < 9.5$	26	$33'' < \sigma_n < 38''$	43	28' < o <sub>D</sub> ≤ 37'
10	9 <b>"5 &lt;</b> σ <sub>n</sub> < 10 <b>"</b> 5	27	38" < σ <sub>D</sub> < <b>45"</b>	44	37' < σ <sub>0</sub> < 49'
11	10."5 < σ <sub>n</sub> < 11."5	28	45" < م <b>ح 54</b> "	45	49' < σ <sub>D</sub> ≤ 1.1
12	11 <b>.75 &lt;</b> σ <sub>n</sub> < 12.75	29	54" < σ <sub>n</sub> < 1\1	46	1.1 < o <sub>D</sub> < 1.4
13	12.5 < σ <sub>n</sub> < 13.5	<b>3</b> 0	$1!1 < \sigma_{D} < 1!3$	47	1°4 < a <sub>D</sub> ≤ 1°8
14	13"5 < σ <sub>D</sub> < 14"5	31	1!3 < o <sub>D</sub> < 1!?	48	1.8 < o <sub>D</sub> < 2.4
15	14."5 < o <sub>n</sub> < 15."5	32	1.7 < o <sub>D</sub> < 2:1	49	2.4 < o
16	15"5 < σ <sub>D</sub> < 16"5	<b>3</b> 3	2!1 < σ <sub>D</sub> < 2!7		_ =

<sup>\*</sup> For electronic instruments, these code numbers (2nd and 3rd digits of the index in table 6) are increased by 50.

#### Corminate Tyster and Corrections (4th dange)

Loge Coge	ርመ <b>ርያኔል።የ</b> ድ ያቀጓይታወ
()	Fight assertion and declination corrected for refrontion or not known to be corrected.
7	Azimuth and attatude corrected for refraction.
?	Pight appendion and inclination not corrected for refraction.
3	Azimuth and altitude not corrected for refraction or

### Faustor and Fluinox (6th divit)

Code <b>ru</b> mber	รี <b>วุลกราช สหม</b> ัฐระบากกล
C	Of date riven
1	15 FI.C
* 1	<b>À</b> ∵∵ •€
*	<b>1</b> ⋅c∩•0
1.	19.0.0

## Type of Instrumentation (6th divit)

od≥ numben	prind hervations	Code n⊌m <b>t⇒r</b>	Flectmonic Observations
C	Nakei eye ind timoculing, visual.	C	Manatrack Murk 1.
1	3t mpderd Moom∓ tob telescope. viruml.	ì	Minitrick Mark 2.
	A.oreo tele espo, astronocianà refractor or r flector, the an- late, viculà.	2	Interferometer observations from radio observatories.
*	haven-turn amera, thotographic.	4	Compler observations from radio observatories.
2	imail minsile telecamina, tracking cameras with foual length 20 innhes on mecator, insteuriphic.	L	Vicrolock.
	Cinethecdolite, trucking cineral with focal length less than 20 inches, protographic.	5	Popular observ tions from communications systems.
۴	Harvard meteer camera (Super-Schood) rhotoer (phic.	6	Loppler objervations from missile ranges.
7	Stationary telephone or camera with rocal length equal to or less than lo arches, photographic.	7	Padar.
8	Stationary telercore or camera with formal leagth grasser than 10 inches, photographic.	8	Unused digit.
Q	Other instruments, or instrument unknown.	9	Miscellaneous.

OBS NO STARRON	SEA NO	DASE	STHE	SRe de	DEC.	HEUNSSA	ALPIJUDE	RANGE SHDER
32827 TERRE HAUTES IND	4121	9 01	0 17 09.8			10 30	66 30	845302
32529 CINCINNATE, ONTO	8555	9 01	0 13 09.9	19 09	67 00	343 12	65 06	845302 845042
51442 MEUDON. FRANCE	2315	9.01	0 29 47.0	• • • • • • • • • • • • • • • • • • • •	•••	272 65	13 OF	637109
51443 MEUDONO FRANCE	2715	9 01	0 30 41.9			267 OF	15 47	637109
51444 MEUDONO FRANCE 10531 OLIFANISFNINOBNOS.A	2715 F 9002	9 01	0 31 06.1 1 00 41.40	3 36 30	9 39	264 35	. 26 55	637109 8 434013
34111 SACRAMENTO, CAL.	8517	9 01	2 13 50.4			0 00	71 51	641304
32824 WHITTIER, CAL.	8366	9 01	2 13 50.7			0 00 0		
32855 CHINA LAKE, CAL. 32708 DAYTON, CHIU	6537	9 31	2 17 52.0			298 48	52 52 4# 26 12	641303 845303
328 <b>25 FT. WOREH: TEX.</b>	0139	9 01	2 17 54.8	12 28 00	70 42		7077	845013
32827 DENVERO COLGO 32829 #1CH184 KAN.	85 8 <b>2</b> 00 2 6	9 61	2 18 09.0 2 19 53.9	18 32 26	80 57	0 00	<b>&gt;9 0</b> 0	845303 845043
32709 DAYTON GHIG	8257	9 01	2 20 09.4			314 30	40 48	845303
32826 FT. W3RTH+ Tch. 32821 N. CANTON+ OHIO	8>91	9 01	2 20 51.2	4 00 00 15 24	88 93 59 00			845013 845042
32713 NEW GRLEANSO LA.	0000	9 01	2 21 28	15 24	,, 00	6 00	28 00	84>302
32831 CHICAGO, ILL.	0020	9 01	2 22 02.4	19 07	68 55		• • • • • • • • • • • • • • • • • • • •	845042
32710 BAY10N: OHTO 32833 CHICAGO: ILL.	8357 0020	9 01 9 01	2 22 03.3 2 22 06.0	٥	64	242 48	51 30	845303 845042
32818 TERRE HAUTE . IND.	8127	9 31	2 22 08.8			0	53	845302
32832 CHICAGO+ ILL. 32848 N. CANTON+ OHIG	002 <b>0</b> 8544	9 01 9 01	2 22 16.0 2 23 02	19 27 18 16	70 45			845042 845032
32530 CINCINNATI, OHIO	8555	9 01	2 23 02.8			4 18	52 12	845302
32834 N. CANTON: OHIC 32715 ROANOKE: VA.	85 <b>84</b> 00 <b>7</b> 3	9 01	2 24 14.1° 2 24 15	20 01 05 19 33 32	69 06 79 48			845032 845042
32716 ROCHESBER N.T.	8585	9 04	2 24 17.5	19 36 00	61 48			845032
32839 ROCHESTER N.Y.	8564	9 01	2 24 23.4	19 >0	59 43			845033
J2819 BERRE HAUTE - IND. 32711 DAYTON - OHBO	612 <b>7</b> 855 <b>7</b>	9 01	2 24 26.2			42 30 43 12	44 20	845303 845303
32822 N. CANTON: CHIC	8572	9 01	2 25 13.3	21 30	68 00			845042
32823 N. CANTON: 0H10 32712 DAYTON: 0H10	8536 8557	9 01	2 25 31 2 28 10.7	22 02 30	64 42	70 12	27 24	641042 845303
52501 MADISON'P. WISC.	5078	9 01	2 28 26.9	0 36 12	20 54		21 24	637007
52 BG2 MADISON P+ WESC.	5078	9 01	2 28 30.0	0 38 00	20 30			637007
32840 ROCHESTER+ N.Y. 10525 JUPITER+BN+ FLA.	8564 9010	9 01	2 26 30.6 2 28 36.78	2 10 30	28 42 51 38			845034 434013
32842 CINCINNATI + OHIO	0050	9 11	2 29 07	1 03	33 18			845004
10526 JUPITERIBN, F.A. 32847 N. CANTON, OHIO	90.0	9 0 <b>1</b> 9 01	2 29 19.10	2 09 42	46 57 23 57			434013 845043
32841 ROCHESTER N.Y.	8564	9 01	2 29 34.2	0 53 18	22 24			845033
10532 OLIFANTSFNTN'BN-S.		9 01	3 05 43.10	1 34 42	-44 49			434023
32849 SAN JOSE, CAL. 32852 WHITTIER,O, CAL.	8373 8566	9 C1 9 O1	4 15 17.3	12 47 03	38 32	320 30 0	0 25 30 66	845903 845303
32853 WHITTLERID CALL	8566	9 01	4 16 A1.2			47 04 4	8 23 37 1	
32850 SAN JOSE: CAL. 34113 SACPAMENTO: CAL.	6517	9 <b>01</b> 9 01	4 18 11.8 4 18 15.5	14 50 48	74 39 73 24			845003 641013
34A12 SACRAMENTO: CAL.	8517	9 01	4 18 50 - 6	17 03 12	78 09			441013
33414 SACRAMENTO, CAL. 33101 VAN NUYS, CAL.	351 <b>7</b> J113	9 01 9 01	4 19 17.3 4 20 03.1			0 00	49 07 6 35 31 14	641304 8 845303
33132 VAN NUYS. 646.	0113	9 01	4 20 04.1			0 42 0	0 35 30 06	845303
32854 CMIMA LARE CAL. 32851 SAN JOSE CAL.	0078 8573	9 61 9 01	4 <b>2</b> 0 <b>1</b> 3.4 4 22 02.3	0 11 25	58 55	0 00	39 39 00	641303 845003
53-72 MANHATTAN. KAN.	8110	9 01	4 22 18.1	15 37 30	54 39		_	845009
32836 TUCSON: ARIZ. 32837 TUCSON: ARIZ.	0003	9 01	4 23 14.7			30 00	17 00 27 00	845303 845303
32835 N. CANBON. OHIO	8572	9 01	4 24 36.7	16 39 48	39 42			845033
51473 MANHATTAN KAN.	8110	9 01	4 24 36.8	19 65 51	67 26		28 06	843009
92858 TUGSON - AR1Z. 32959 DALLAS. TEX.	0003 0129	9 01	4 24 51.2 4 25 09.9	a0 31 00	83 12	34 00	28 06	845303 845043
32860 OALLAS. TEX.	0124	9 01	4 25 59.7	23 39 00	77 24			845043
32830 HEGHETA: KAN. 51474 Manhaetan: Kan.	0028 8110	9 O L	4 26 33.0 4 26 38.7	23 30 39 29 00 36	59 53			845Q43 845009
12714 NEW ORLEANS: LA.	C030	4 07	4 26 53			0 00	41 00	845302
34346 N. CANTON: CHIO 33415 SACRAMENTO: CAL.	3584 8517	9 01	4 27 02.9 4 27 23.3	18 52 48	43 48			\$45032 641013
51475 MANHATTAN. FAN.	8110	<b>9</b> 01	4 27 28.3	23 44 48	44 20			849009
32717 ROCHESTER+ N.V.	8585 8552	9 01	4 27 29.0	19 09 00	32 12		NO 35 00	843032
32828 DENVER+ COLO. 32861 DALLAS+ TEX+	0129	9 01	4 27 45 4 27 45.1	1 04	59 00	74 45 (	, J J <b>UU</b>	849303 849043
92862 SAN JOSE: CAL.	8 5 7 3	9 01	6 22 15.5	15 23 49	58 51			845002
32863 SAN JOSED CAL. 93133 VAN NUVS. CAL.	8573 0113	9 01	6 22 51.d 6 24 25.8	17 08 39	65 12 71 18			845002 845043
32864 SAN DIEGO: CAL.	6133	9 01	6 25 02 68	38 49	15 00	)		845042
33104 VAN NUTS+ CAL+ 51475 MAMHATIAN+ KAN+	0113 8110	9 01 9 01	6 25 33.9 6 25 48.5	21 26 04 17 39 13	71 35 29 51			845043 845007
34116 SACRAMENTO, CAL.	0517	9 01	6 26 02-5	22 59 12	50 27			441013
32865 WHITTIER D. CAL. 19350 VILLA COLORES BN.A	366	9 01	6 26 02.6	3 54 48	16 5	∴a 25 -	3 37 A	
10542 APEQUIPATENT PERU	9011 9007	9 01	8 53 45.57		-21 00			434013 434013
10543 AREGUTPA+BN+ PERU	9007	9 01	8 57 59.94	0 02 42	-23 12	?		434023
33950 SAN JUAND ARGO 33951 SAN JUAND ARGO	0812	9 01	9 01 00.0	4 11 42 5 22 24	-34 14			843042
10544 AREOUSPARBN. PEPL	9007	9 01	9 02 57.45	7 54 30	-64 3	)		434023
10551 VILLA OOLORESPBHAA 33815 TARADA+ JAPAN	PG 9311 0250	9 01	9 06 57.07 10 08 43	' 8 31 00 13 22	-47 11 33	l	•	43402 <b>3</b> 84500 <b>2</b>
33816 MTZUSAWA. JAPAN	0267	9 01	10 13 00			18 48	49 42	845302
33812 ASAHIKAWAR JAPAN	0201	9 01	10 15 47.4	20 17 00	60 2			845002
33814 SAPPORO, JAPAN 33813 Asahikawa, Japan	0245	9 01	10 18 15 10 22 09.0	0 37 12				845002
33820 SAPPORO, JAPAN	0245	9 01	12 11 07	14 30	37			845002
51748 VLADIVOSTOK, USSP. 51749 VLADIVOSTOK, USSP.	1013 1013	9 01	12 13 27.3 12 13 50.4	16 66 30 18 22 30				845009 845 <b>0</b> 09
								,

OBS NO STATION 51746 BLAGOVESTCHENSEOUSER	STA NO 1010	DATE 9 01	39ME 17 14 44.4	R. A. 20 22 30	0ECL-	HIUHELA	ALTTTUDE.	RANGE THOLK
33812 KONKO: JAPAN 33821 MIZUSAWA: JAPAN	0224	9 01	12 15 28.3 12 16 00	20 42	85 30	334 06	33 12	845002 845302
51742 BLAGOVESICHENSE USSR	1010	9 01	12 18 07.9 12 20 25	29 00 00	16 00	60	28	845009 845302
32142 ASAHIKAWA+ JAPAN	0201	9 01	12 20 34.0	23 42	27			845042
33822 SAPPORO- JAPAN 34750 CHATTANOOGA- TENN-	0062	9 01	14 16 47	17 13	25	153	65	845301
32143 ASAMIKAWA: JAPAN 51743 BAKU: USSR	1007	9 01	14 18 54.0	10 23 30	21 30			845042 845009
51740 SVERDLOVSK+ USSR 51744 ORENBURGH+ USSR	1045	9 01 9 01	16 04 19.6 16 <b>0</b> 6 18.1	15 42 42	5 42 25 42			845009 845009
51745 ORENBURGHO USSR 51757 STALINABAD. USSR	1063	9 01	16 06 28.5	17 29 30	26 <b>0</b> 6			845009 845009
10548 SHIRAZ'BN. ARAN	9008	9 01	16 06 54.89	4 59 00	85 23			4340 <b>13</b> 845009
51756 ALMA'AZA, USSR	1002	9 01	16 10 40.0	15 50 48	46 30 34 48			845009
51758 STALINABAO, USSR 51741 SVERDLOVSK, USSR	1068	9 01	16 10 59.2 16 11 10.2	21 15 24 20 56 36	10 36			8450 <b>0</b> 9 8450 <b>09</b>
51259 STALINABAD: USSR 10535 WOOMERA!UN: AUSTR.	1068 9003	9 01 9 01	16 14 12.0 16 53 43.83	0 29 24	45 17			8450 <b>03</b> 4340 <b>13</b>
32584 SYONEY. AUSTR. 51232 TCHERNOVTTSY: USSR	1062	9 01 9 01	16 54 26.2	6 42	-17 10 54			845042
51727 UJGOROD: USSR	1059	9 01	18 02 23.0	15 29 00	22 18			845009
51737 ROSTOV+ USSR 51702 KIEV+ USSR	1041	9 01	18 02 37.2 18 03 52.2	14 44 33	20 18 15 12			845009 845009
51715 NIKOLAEV: USSR 51738 ROSTOV: USSR	1041	9 01 9 01	18 04 08.1 18 05 19.A	12 21 00	34 24			845009 845009
51234 RIGA: USSR 51706 Kiev: USSR	1040	9 01	18 06 01.4	19 <b>01</b> 30 18 <b>3</b> 2 54	12 36			845009 845009
51703 KIEV. USSR 51707 KIEV. USSR	1923	9 01	18 06 42.8	18 35 24	34 <b>0</b> 0 34 <b>2</b> 4			84500¥
51716 NIKOLALV. USSR	1033	9 01	18 02 00.8	18 48 00	49 00			845005
51735 RIGA: USSR 51725 EREVAN: USSR	1018	9 01	18 07 01.3 18 07 19.9	19 52 30 14 59 50	12 24 55 36			845009 845009
51212 NIKOLAEV. USSR 51236 OMEPROPETROVSK. USSR	1077	9 01 9 01	18 08 29.4 18 08 38.5	21 01 12 20 21	49 12			845009 845009
51700 VOLOGOA: USSR 51726 EREVAN: USSR	1014	9 01 9 01	18 08 54.9 18 <b>11</b> 31.0	19 31 30 22 52 00	. 7 24			845009 845009
51239 ROSTOV: USSR 10549 SHIRAZ'BN: IRAN	9008	9 01 9 01	18 12 26.1	23 0C 1Z 1 24 18	<b>2</b> 5 00 76 24			84500 y 4340%3
51733 TCHERNOV175Y: JSSR 51701 VOLOGDA: USSR	1062	9 01 9 01	18 13 21.5	23 35 30 22 31 06	16 54			845009 8450 <b>0</b> 9
51704 TASHKENT, USSR	1075	9 01	18 14 29.6	19 13 30	41 48			845009
51705 TASHKENT - USSR 13536 WOOMERA'BN: AUSTR:	9003	9 01	18 14 40.5 18 45 13.98	19 16 30	41 30 13 21			845009 43401a
19537 WOOMERA'BN, AUSTR. 51573 MEUOON, FRANCE	9003 27 <b>1</b> 5	9 01 9 01	18 49 22-42	3 . 9 54	-16 25	265 31	4G 12	4340 <b>1</b> 3 6 <b>3</b> 7109
51658 BESANCON, FRANCE 51574 MEUDON, FRANCE	2727 2715	9 01 9 01	19 59 15.1			272 35	AY 00	834309 637109
51575 MEUDONO FRANCE 51659 BESANGONO FRANCE	2715	9 01	.0 00 14.4			264 <b>3</b> 1 272 4 <b>2</b>	29 -7	632109
51660 BESANCON, FRANCE	2 72 7	9 01	20 21 04.0			212 53	29 36	83 <b>4309</b> 83 <b>430</b> 9
51576 MEUDON: FRANCE 51661 BESANCON: FRANCE	2715 2727	9 01	20 01 50.6 2 <b>9 02</b> 10.5			102 14	90 CF	63 <b>7</b> 109 82 <b>4309</b>
51577 MEUDON, FRANCE 10538 SAN FERNANDO'BN, SP.	27 <b>1</b> 5 9004	9 01 9 31	20 03 20.6	2 27 30	87 42	261 04	46 03	63 <b>710</b> 9 43401 <b>3</b>
51578 MEUDON+ FRANCE 53646 BRATISLAVA, CZECM+	2 715 5 702	9 01 9 01	20 03 09.1 20 63 15.3	14 52 30	42	257 46	52 24	637 <b>1</b> 09 63604 <b>7</b>
51662 BESANCON FRANCE 51579 MEUDONO FRANCE	2727	9 01	20 04 06.8			273 21 248 30	30 25 69 35	631109 834307
51663 BESANCON FRANCE 51580 MEUDON FRANCE	2727	9 31	29 44 27.7			.73 .0	54 40	کان د <b>۵ ن</b> وه
31718 UJGOROD. USSE	2715 1055	9 01	40 05 12.3 20 05 15.6	A5 47 36	.6 42	192 55	0. 45	63 <b>7.</b> 03 84 <b>3</b> 009
31719 UJGOROD. USSP 51664 BESANÇON, FRANCE	1655	0 01	20 05 30.5	15 56 00	.7 00	.73 38	8 4 4 <b>3</b>	845007 8 <b>460</b>
31381 MEUOON, FRANCE 31663 BESANCON, FRANCE	2 715 2 727	9 01 9 01	20 06 13.4 26 36 42.7			118 45 93 29	73 42 81 23	637109 834309
31582 MEUDON: FRANCE 31666 BESANCON: FRANCE	2 715 2 727	9 <b>5</b> 1 9 01	20 07 10.4			105 12	61 06	6.47109
51667 BESANCON, FRANCE	2721	9 31	20 08 36.5			94 10	5- 55	634309
31728 UJGOROD: USSR 31720 UJGOROD: USSR	1 055 1 055	9 01	20 08 45.2	18 52 30	33 54			#45009 84 <b>5</b> 0 <b>0</b> 9
51668 BESANÇON, FRANÇE 51721 UJGOROO, USSR	2727 1055	9 31	20 09 03.2	19 40 06	33 44	y- 43	47 30	8 <b>3430\$</b> 8 <b>4</b> 5005
51583 MEUDON+ FRANCE 51669 BESANCON+ FRANCE	2715	9 01 9 01	20 09 10.7			90 33 94 33	39 49 .	637109
51584 MEUDON: FRANCE 51222 UJGORGO: USSR	2715	9 01	20 10 26.2	21 44 30	26 00	91 01	30 07	627102
51585 MEUDON FRANCE	2 715	9 01	20 11 02.0		20 00	46 32	.6 16	6.7105
31620 BESANGON, FRANCE 53023 BRNO, CZECH.	2 121	9 01 9 01	20 11 51.2	43 01 06	1- 36	94 33	26 53	834309 83404 <b>1</b>
31386 MEUDON: FRANCE 51671 BESANGON: FRANCE	2715 2727	9 <b>01</b> 9 <b>0</b> 1	20 12 27.3	_		95 03	19 00 21 58	6 <b>37</b> 109 834309
53642 BRATISLAVA, CLECH. 51729 UJGOROD, USSR.	5702 1035	9 01	20 13 00.3	23 46 36 22 58 30	13 41 12 36		•	634 <b>047</b> 84500 <b>9</b>
53074 BRNO. CZECH. 52547 MEUDON. FRANCE	2720	9 01	20 13 17-6 22 02 31-7	23 30 18	0 48	278 59	10 19	739041 637109
31588 MEUDON+ FRANCE 32589 MEUDON+ FRANCE	2715	9 01	22 03 07.0 22 04 18.3			278 00 274 52	18 41	637109
31590 MEUDON. FRANCE	2715	9 01	22 05 18.1			271 08	45 01 31 18	637109 637109
51592 MEUDONO FRANCE 51592 MEUDONO FRANCE	2715	9 01	22 06 23.3			26 <b>5 02</b> 259 08	39 08 44 51	63 <b>7109</b> 637109
51730 RIGA+ USSR 51593 MEUDON+ FRANCE	1040 2715	9 01 9 01	22 07 29.8 22 08 01.7	17 42 18	4 54	247 36	52 24	845009 -63 <b>7409</b>

OUS NO STATION S1723 UJGOROD. USSR	STA NO 1055	DATE 9 01	TIME 22 00 13-2	Ro Ao 17 12 00	DEC	NTUHESA	ALTITUUS	845009
51124 UJGORODO USBA 51594 MEUDONO FRANCE	2715	9 01	22 08 58.4	17 33 06	15 00	219 02	40 37	647364
10539 SAN FERNANDO'BN. SP.	9004	9 31	15 06 57.50	22 37 30	68 46			434013
51672 BESANCON FRANCE 51595 MEDOON FRANCE	2727	9 01	22 07 36.95			240 55	50 50	8 <b>34309</b> 63 <b>7403</b>
31673 BESANCONO PRANCE	4747	3 97	44 10 44.13			221 +2	62 00	034248
51731 RIGA, USSR 51596 MEUDON, FRANCE	2715	01	24 10 48.8	19 18 34	- 0 44	168 39	35 50	843 <b>337</b> 82 IAU <b>3</b>
32866 CINCINNATIO ONIO	8355	9 01	23 34 47.0			341 24	67 16	845304
51597 MEUDONS FRANCE	2715	9 02	0 07 23.4			273 53	13 47	631 <sub>A</sub> 09
\$1598 MEIDONS FRANCE	2715	9 64	U 68 03.5			269 26	15 20	037409
10533 OLIFANTSPNFNFUNGSAF 34117 SACRAMENTO CALO	6002	4 05	0 AU 19-10	4 29 24	- 2 30	0 00	7+ 30	434913
32870 FT. WORTH. 763.	3139	4 05	1 27 3620	1 18 00	56 30		_	842.13
32871 DAYION: UHIU 32873 CHICAGO: ILL.	35.0	9 04	1 50 43			34- 14	04 JU	042343 <b>6433</b> 04
32875 TERRE HAUT: IND.	8127	y U2	1 54 47.4			3	54 30	042933
32836 N. LANTON: UHIO 32837 N. CANTON: UHIC	8 <b>55</b> 9 8584	8 05 8 05	2 00 50.6	16 16 30	71 10			443046 84333 <u>6</u>
32867 CANCINNATI . OHLO	8555	9 64	. 01 20.4	21 59 06	72 40			645003
32876 TERRE HAU7E: 180. 32872 DAYTON: 0H10	8147	9 04	4 61 37.5			35 55 13	39 00	8+5303 8+5333
32838 N. CANTON: 0H10	8336	9 02	. 06 18.5	U 45	36 42	,,,,,	<i>3.</i> <b></b>	843642
10547 JUPITER PBN. FLA. 52003 MADISON'F. WT.L.	9016 5078	9 02	2 05 25.35	1 57 18 U 17 48	50 34 AT 56			73076a
32879 N. CANTON - CHIU	0353	4 02	2 67 -2.6	9 47	2			845043
51599 CAPETOWN S.AFR.	5400	9 0. 9 02	2 44 42.4	3 44 24	-14 36			007007 1007
51600 CAPETORN, S.AFR. 10534 OLIFANTSENTN*BNOS.AF		9 62	2 43 04.10		-4. 00			434013
STEET CAPETOWN STAFR.	5400	9 02	2 43 42.5	4 12 24	-19 44			637567
32881 SAN JOSE, CAL. 32885 PORTLAND, DRL	8573 3076	9 02	3 52 15.4	12 64 63	40 32 32 06			045v03
32882 SAN JOSE . CAL.	8573	9 32	3 54 47.5	4 44 44	56 38			د ٥٠٠ و ٢٠٠
32086 PORTLAND: CRE. 34110 SACRAMENTO: CAL.	8517	A 05	3 30 46.4	10 4. 00	53 48 30 64			645U42 642U13
32883 SAN JOSE, CAL.	8573	9 04	3 50 38.3	10 00 .1	C. 90			045002
34119 SACRAMENTO, CAL. 32888 CHINA LAKE, CAL.	8>17 9098	9 64	3 56 56.6 3 <b>57</b> 52.2				49 66	بانریه <b>ن</b> د0دیدی د
32889 HILWAUKEEL .ISC.	3074	9 32	3 57 59.5			291 34	A5 34	64.304
32893 SAN D1860+ CAL. 32894 DAYTON: 0H10	3133 8557	9 02	3 59 67.7	1 20	70 30	299 24	18 OO	845.44 <u>6</u> 845.463
JZ804 SAN JOSE, CAL.	8573	9 02	3 39 44.6	6 66 35	50 .5			645003
32890 MILWAUKEE, MISC.	0074	9 02	3 59 45.1			251 54	49 18	641304
32895 ALBUGUERUUE, N.M. 32872 TERRE HAUTE: IND.	#579 #127	9 0.	4 00 25.5			30 <b>5</b>	40 00	203 نوخه ه 203 نوه ه
32891 MILWAUKEL WISC.	0074	9 6.	4 3. 00.3			491 40	40 64	6404
32896 OALLAS+ 1EX. 32892 MILWAUKEE+ WISC.	0129 0074	9 3:	4 0. 50.7	11 00	8- 36	454 66	30 40	845 <b>-43</b> 841304
32898 WHITTIER . CAL.	8566	9 02	4 62 59.4			20 21 4		
32870 TERRE HAUTE, TAG. 32899 LAS CRUCES. N.M.	8127 8563	9 02	4 63 17.6	1 73	60 00	315	o+ 20	842302
32887 PORTLAND. CHL.	3076	9 62	4 64 27.5	23 97 00	1- 44	63162	_	8-50-2
32874 CH1CAGO: 166. 52004 MAO15ON*P: WISC.	5378	9 62	4 05 13 4 05 56.0	22 11 00	34 42		47	#45302 638008
32897 OALLAS. TEX.	0129	9 02	+ 06 01.0	1 10 35	59 00			849043
32900 DENVERS COLUZ 32880 N. CANTONS DELC	85 <b>07</b> 8559	9 D2	4 06 C3.6	20 49 15	41 06	76 +2 (	00 21 45 0	€01€+8 € 1€05+8
32928 PORTLAND. GRE.	9076	9 02	3 55 41.6	16 41 30	36			445042
32929 PORTLANO - GRE. 34120 SACRAMENTO - CAL.	0076 8517	9 02	6 22 40.2	25 06 03	36 4d			047045
32930 PORILAND. CHE.	0076	9 02	6 45 07.6	2. 40 00	22 .2			845444
34121 SACRAMENTO: CAL: 32901 DENVER: COLO:	8517	9 02	6 64 14.2	23 17 30	46 31	20- 30	57 15 0	64148 U
33954 SAN JUAN, ARG.	2186	9 32	6 36 00.6	5 C6 36	1 54		,, is c	545042
10589 VILLA DOLORESTANIAN 33952 SAN JUANI ARG.	6 9011 0812	9 02	6 37 08.11	1 5 15 33 5 57 42	- 2 31			434013 845042
341 22 SACRAMENTO. CAL.	8517	9 02	8 00 28	16 32 24	27 45			041013
34123 SACRAMENIG, CAL. 10571 AREQUIPADEN, PERU	9007	9 02	8 02 <b>51.</b> 6	17 13 42	-28 A2			64 <b>14</b> 13 43402 <b>3</b>
10581 VILLA DOLORES BNOAP	G 9011	A CS	8 48 46.7	9 3 20 06	-32 39			434UZA
33955 SAN JUAN. ARG. 33956 SAN JUAN. ARG.	0817	9 02	8 <b>3</b> 9 00.0 8 40 20.0	5 31 48	-40 00			44504 <b>2</b> 845042
33953 SAN JUAN. ARG.	0817	9 02	8 42 32.5	7 27 42	-43 12			845048
33823 MITAKA. JAPAN	0229	9 02	9 47 12.A			304 14	10 45	64530 <b>3</b>
33824 MITAKAO JAPAN 33825 MITAKAO JAPAN	0229	9 02	9 45 <b>12.</b> j 9 46 26.4			316 42	30 20	045303
33826 MITARAO JAPAN	0229	9 02	9 48 26.7			345 24	42 06	845303
39832 MIZUSAWAO JAPAH 33838 HIGASHEMATSUMAMAIJA	0247 P 0210	9 02	9 49 00 9 49 24. <b>0</b>			343 12 1 30	33 36 42 18	8-5302
33827 MITAKA. JAPAN	0229	9 32	9 50 06.5			11 18	19 42	045303
33830 SAPPORO: JAPAN 33828 Milaka: Japan	0245	9 07	9 52 34 9 <b>5</b> 2 <b>50.5</b>	22 20	49	39 42	27 42	8430 <b>03</b> 843303
JJ829 METAKA, JAPAN	0229	9 02	9 58 39.4		_	63 03	2 15	642303
32931 FAIPEI: TAIWAN 33832 MITAKA: JAPAN	0502	9 02	11 46 35.6	11 21 18	61 3	305 36	13 00	04504 <b>2</b> 8453 <b>03</b>
10546 TORYOFBN. JAPAN	9005	9 02	11 51 58.1	0 14 10 18	64 5	3		434013
SAPAR ASTAKA, JAPAR SAPER ASTALLA SEPER	6229 630 <b>2</b>	9 02	11 52 21.8	2 23 18	68 36	332 42	35 36	8453 <b>0</b> 3 84504 <b>2</b>
ALGAMAYUZTAMIHABDIH CABEE	P 0210	9 02	11 54 23.9		J. 30	0 18	45 00	845303
33840 mitaka. Japan 33835 mitaka. Japa <b>n</b>	0229	9 02	11 54 24.7 11 54 43.8			33 3 06	44 16 44 <b>5</b> 4	. 64530 <b>3</b>
J3844 MAYAZARI . JAPAN	0230	9 02	11 54 44.6		67 41	3		845308
MAGAL . AWAZUSIM APRE	0267	9 02	11 55 00			9 30	>9 06	045302

DES NO STATION	STA NO	DATE	TIME	ño Ao	DECL.	HTUMISA	ALTITUDE	MARGE ENDER
33876 MITAKA. JAPAN 33839 ASAHIRAWA. JA <b>PAN</b>	0201	9 02	11 53 30.2	21 00	47 24	18 40	45 18	845203
13641 SAPPURCO JAPAN	6243	9 02	11 >> 30	21 46	47			845004
STORE TANAR MACHE	0220	9 02	12 56 05	0 53	60			649002
JAPAN GAGARAT TABLE SERIES	0250 02 <b>27</b>	9 02	14 50 11.0	23 54	60	30 36	** 12	845002
33638 MILANAS JAPAN	0229	9 05	14 58 1307			36 \$4	35 56	04230
32144 ASAHIRAWAN JAPAN 31767 KIEN, USSR	0201 107 <b>0</b>	9 02	11 38 50.0	10 30 00	23			842042
33847 MITALAO JAPAN	0229	9 02	13 53 24.0	• • • • • • • • • • • • • • • • • • • •		303 36	17 60	845303
33848 MITAKAO JAPAN 33851 ASAMIKAWAO JAPAN	0229 8201	9 <b>02</b> 9 02	13 54 17.8 13 54 59.0	17 13 30	24 48	303 30	21 20	845303
32933 TAIPETO TAIWAN	0507	9 02	13 55 41.0	15	89 06			840048
33857 SAPPORO, JAPAN 33850 Mliaka, Japan	0245 0229	9 07	13 57 06	18 35	24	10. 12	43 40	845002
10568 SHIRAZ'EN. IRAN	9008	9 37	13 57 07.7	9 04 30	5- 43	304 12	42 30	434013
51783 IASHAANT. USSR	1075	9 02	15 45 04.4	1- 15 00	46 10			8-9005
31784 TASHKENT USSR	1075	9 07	15 49 14.4	0 15 06	65 .4 5 <b>4</b> 4			842007
51769 DNEPHOPETROVSE - USS	1017	9 07	47 42 45.8	15 16	49 46			845009
\$1781 ROSTOV. USSR \$1782 ROSTOV. USSR	1041	9 02 9 <b>02</b>	17 43 42.6 17 43 41.5	15 14 00	33 48. 30 46			845009 845009
51790 TCHARDJOU . USSR	1061	9 02	17 45 22.8	16 33 00	39 -6			845009
51777 EREVAN+ USSR 51772 VOLCODA+ USSR	1018	9 02	17 45 77.3 17 47 25.9	15 62 30	6C 44			842004
51789 TCHARTUOU - USSR	1061	9 02	17 47 37.3	2. 69 30	6 10			842009 845009
51771 181L151. USSR	1053	9 02	17 46 78.9	21 17 36	64 44			845009
51786 TASHKENE, USSR 51770 DNEPROPETROVSK, USS	1075 R 1017	9 02	17 48 30.2 17 48 33.6	15 17 63	37 24 26 30			さんかいしょ さんかいしょ
51778 EREVAN. USSR	1018	9 02	17 50 32	23 45 00	46 64			8 4200 #
10569 SHIRAZ'BN: IRAN 51773 VOLOGDA: USSR	9008	9 02	17 50 54.16 17 51 37.6	1 23 42	76 17			434013
51787 TASHLENT. USSR	1075	9 02	17 52 07.5	16 56 30	44 60			84500y
51788 TASHKENT, USSR 10556 WOOMERA'BN, AUSTR,	1075	9 0.	17 53 14.3	20 21 30	-0 2-			042007
32934 TOWNSVILLE AUSIR.	90 <b>03</b> 8578	9 <b>0</b> 2 9 <b>0</b> 2	18 24 41.63 18 26 21.8	6 24	43 18			434013 #45041
34124 TOWNSVILLE: AUSTR.	8578	9 02	18 28 13.9			. 20 10	46 43	845302
34425 IOWNSVILLE AUSTR.	857e	9 02	16 45 24.6			174 44	40 42	8433U£ 8433U£
34163 SYDNEY . AUSIR.	4602	9 02	18 35 38.5	6 50	->. 00	0.5		0-76-0
34164 STUNEY: AUSTR. 51674 BESANCON: FRANCE	2727	9 02	18 37 -7.0	9 34 36	-45 24	.7. 65	10	845044
516 / BESANCON FRANCE	2727	9 62	19 36 20.5			.7. 4.	10 49 46 09	8 <b>3</b> 43 <b>0</b> 9 8 <b>3</b> 4309
DISOZ MENDON, FRANCE	2715	9 02	19 36 -8.9			. 64 46	24 50	637109
9.576 BESANCON: FRANCE	272 <b>7</b> 27 <b>15</b>	9 <b>9</b> 2 9 0 <b>2</b>	19 27 12.5 19 37 47.1			263 49	49 04	034704
1017 SESANGON . PRANCE	2727	9 02	19 38 33.5			471 44	45 64	034204
51534 MELOON: FRANCE 51678 BESANCON: FRANCE	2727	9 <b>0</b> 2 9 <b>0</b> 2	19 33 57.3			202 47	36 30	631.07
99445 PORSUAMO GER.	2729	9 02	19 39 44.8	14 40 44	دن دن		<b>3</b>	834045
515 5 MEDDON: FRANCE	2715	9 02	19 39 46.4 19 39 58.7			450 48	46 44	6 <b>37109</b> 6 <b>453</b> 02
316/9 BESANGEN. FRANCE	2727	9 5:	19 40 25.25			11. 40	-4 07	644305
31616 MEDIUND FRANCE 31681 BERANCOND FRANCE	2715	9 02	19 40 47.9			256 40	>7 40	637103
317/4 P1G1 USSR	2727	9 32	19 41 05	15 44 00	? 24	272 49	50 34	<b>83</b> 4309 845009
51607 HEUDON, FRANCE	2715	9 02	19 41 47.7		-	246 36	64 40	647107
DIGUI GESANCÛN: FRANCE DIGUS MENDON: FRANCE	2727 2715	9 02	19 42 12.75 19 42 46.3			196 26	01 45	#34309 <b>63</b> 1109
SIGN BESANCON. PRANCE	2127	9 32	15 43 11.0			(14 U)	CA GO	400+60
92936 BEHSING GER. 31609 MEGDONG FRANCE	2715	9 02	19 43 31.7 19 43 54.0			110 41	22 23 20 27	63710v
51653 BLEANCON, FRANCE	2127	9 02	19 44 05.5			86 47	*3 63	634109
58779 V8LNIUS: USSR 51775 RTGA: USSR	1012	9 07	19 44 18.0	.7 01 00	14 44			845009
31610 MELIDON FRANCE	2715	9 0.	19 44 24.6	17 17 00	10 30	106 46	05 35	8450 <b>0</b> 9 6 <b>311</b> 09
51684 BESANCON FRANCE	2727	9 32	19 45 03.5			92 00	70 17	834309
32937 BERLIN: GER. 55994 PO15DAM: GER.	0700 2729	9 02	19 45 04.7 19 45 10.4	19 39 30	74 51	192 00	01 >-	845302 <b>83</b> 4049
51611 MEUDON: FRANCE	2715	9 62	19 45 12.5		•••	195 10	56 03	637109
51685 BESAN <b>CG</b> N, FRANCE 51612 MEUDON, FRANCE	272 <b>7</b> 2715	9 0.	19 46 12.77			96 30	24 34	834309
SIGN BESANCON FRANCE	2727	9 62	19 47 03.25			44 33	-5 30	637109 85468
32938 BERLIN: CER. 51613 MENDON: FRANCE	6 700	9 92	19 47 17.9			1-0 00	>0 a6	**>304
S1776 RIGA: USSR	2715 1040	9 02	19 47 23.8	19 48 18	7 18	76 44	34 40	637109 845009
53075 BRNO. (ZECH.	2720	9 02	19 47 49.4	21 23 48	27 12			737041
57844 UJGOROJ, JSSR 51687 BESANCON, FRANCE	1055 27 <b>2</b> 7	9 02	19 47 59.3	20 27 30	30 42			845009
51614 MEUDON, FRANCE	7715	9 02	19 48 13.0			93 10 95 51	36 17	634309 637109
52845 UJGOROD, USSR 51688 BESANCON, FRANCE	1055	9 02	19 48 20.3	40 53 30	28 36			845009
\$1615 MEUDON. FRANCE	2727 2715	9 02	19 49 07.5			93 43	45 40	#34309 #371 <b>0</b> 9
51780 VILNIUS. USSR	1012	9 04	19 49 17.7	40 59 10	6 42	1		845009
51689 BESANCON, FRANCE 51616 MEUDON, FRANCE	272 <b>7</b> 7715	9 02	19 50 09.5			93 30	22 35	834309 637109
51690 BESANCON, FRANCE	2127	9 02	19 51 11.5	_		93 51	11 15	034309
55995 POISDAM: GER. 53076 BRNO: CZECH.	2729 2720	9 02	19 51 27.3 19 51 32.3	43 70 12 23 37	2 50			834049
55700 WASHINGTON P. D.C.	5097	9 02	20 36 07	13 11	49 24			843040 637009
55701 WASHINGSON'P. O.C.	5092	9 32	20 38 21	15 32	71 01	,		637009
51617 MEUDON: FRANCE 51691 BESANCON: FRANCE	2715 2727	9 02	21 40 16.0			278 50	16 14 13 21	637109 834309
51618 MEUDON. FRANCE	2715	9 02	21 41 12.0	•		276 36	40 49	637109
51692 BESANCONO FRANCE	≥727	9 02	21 41 13.55			2 8 3 34	16 21	434309

31693 BESANCONS FRANCE	874 MO 2727	DATE	TEME 21 42 00-05	Ro As	DECL.	241 09 50		49-301
31619 NEUOON, FRANCE 51628 NEUDON, FRANCE	2715	2 05	21 42 08.8 21 43 06.3			274 22	34 53	037109
51694 BESANCONO FRANCE 53648 BRATISLAYA - (ZLCNo	2727 5702	1 05	21 +3 27 + 35	15 53 00	17 46	277 49	28 31	634339
31695 BESANCON. PRANCE	21:7	9 02	£1 44 01.77		••	273 09	37 19	
31621 NEUDONO FRANCE 51622 NEUDONO FRANCE	2715	9 02	41 44 01-8 41 45 07.1			200 40	48 10	401169
31696 BESANÇON, FRAN <b>CE</b> 329 <b>3</b> 9 BERLIN, GER.	2727	9 02	21 45 15.00			256 24	41 46	834309 843332
51497 BESANCON, FRANCE	2121	9 02	21 46 03.53	tallia la		261 12	48 54	8 34 3U.
10561 SAN FERNANDOPEN. SP. 51623 NEUOON. FRANCE	2113	9 02	21 46 04.60 21 46 08.I	20 05 48	76 49	4-0 34	96 54	637401
31624 NEUDON: FRANCE 32940 BERLIN: GER:	2715	9 02	21 47 09 6			214 10	14 50	047637
51498 BESANCON, FRANCE	2127	9 32	21 47 45.16			.24 00	62 31	84309
51625 MEUDON: FRANCE 51699 B&SANCON: FRANCE	2715	9 02	21 48 10-8			163 06	61 44	047007
51626 NEUDON: FRANCE 53649 BRAIISLAVA: CZECH.	2715 5 <b>702</b>	9 02	21 49 10.6	19 26 33	13 27	100 55	94 49	03/147
10562 SAN FERNANDO'BN. SP.	9004	9 02	21 49 49.40	0 30 18	40 24			434023
32941 BERLIN, GER. 51627 MEUDON, FRANCE	07 <b>00</b> 27 <b>1</b> 5	9 02	21 56 77.4 23 44 45.0			201 24	38 48 12 33	03/109
51628 MEUDON+ FRANCE 51629 MEUDON+ FRANCE	2715	9 JZ 9 JZ	43 40 04.4			272 36 267 44	15 52	6371U7
51630 MEUDON FRANCE	2715	9 32	23 47 07.1			.61 05	20 13	03/407
32942 ALBUQUERQUE N.M.	8379	9 03	1 32 56.7			. J 99	ياق د ب	8-93-02
34347 N. CANTON: OHIO 34348 N. CANTON: OHIO	0053	9 03	1 33 18.7	13 13 10	36 53			842033
34349 N. CANTON: OHTO	JO5 3	9 33	1 35 55.4	44 42	52 00	0	3 . 00	842033
32946 BILOXI: MISS. 32947 STATE COLLEGE: PA.	0040	9 03	1 37 32 1 37 38.2			220 36	20 <b>00</b> 46 <b>0</b> 0	840302
32948 N. CANTON: OHTO 32952 TERRE HAUTE: IND.	8121	9 33	1 37 53.2	16 .7 30	69 00	12 45	51 30	845042 845 <b>3</b> 03
32868 CINCINNATT + CHIQ	0050	9 33	1 38 96	19 13	77 49	•• ••		042004
32949 N. CANTON: OHIU 32950 N. CANTON: OHIO	0053	9 03	1 38 37.6	16 37	72 12 71 48			045434
32957 ROCHESTER: N.Y. 32951 N. CANTON: 0H10	8585	9 03	1 49 39.3	.9 34 00	63 11			043332
32953 TERRE HAUTE: IND.	8427	9 01	1 42 48 4	33 50	58 34	05 30	. 4 45	8+244c
52119 WESTFTELD+P+ MASS. 10519 JUPITER+BN+ FLA.	9010	9 03	1 46 02	0 45 1 43 66	21 36 38			434013
10552 OLIFANISFNINGHOS.AF	9 302	9 03	2 19 40.50	0 48 24	-29 57		•	434063
32964 PIITSBURGH - PA. 32965 SAN JOSE - CAL.	8573	9 03	2 42 01.7 3 30 28.7	17 38	46 24		•	842043 842 <b>6</b> 33
32968 SAN DIEGG. CAL. 32972 MILHAUREL: #ISC.	0133	9 0 9	3 34 12	42 12	57 10	291 18	40	542U42
32975 PORTLAND. OHL.	0076	9 03	3 3- 33-4	.7 44 00	33 46			045044
32145 SACRAMENIO, LAL. 32978 LAWIGN, OKLA.	9517	9 03	3 34 93.4			344 55 4	49 14	*****
32969 SAN DIEGO: CAL.	0133	9 03	3 35 37.0	6 03	88 36	••		246640
32959 N. CANTON: OHID 32981 CALGARY: CAN.	0353	9 03	3 36 33.4	10 33 30	29 <b>2</b> 4 21 06			043332
32960 N. CANTON: ÖMLU 32961 N. CANTON: GHLU	0053	9 <b>0</b> 3	3 37 31.6	1- 52 10	32 35 33 36			845 U 32
32966 SAN JOSE: CAL.	8573	9 03	3 31 54.2	0 66 35	54 55			845002
32973 MILWAUKEE. •ISC. 32 <b>97</b> 6 PORTLAND: ORE.	0074	9 03	3 38 35.9 3 39 03.a	¿3 U1 03	29 30	292 42	<b>3</b> 5 <b>4</b> 8	641234
32979 LAWION OKLA. 32977 PORTLAND, ORL.	0076	9 03	3 39 09.1	23 25 00	64 48	348 37 1	<b>ا</b> د ۵۵ ۵۶ ۵	842204
32980 LAWTON . OKLA.	9110	9 05	3 44 05.8			17 50 4	6 44 40 14	*****
33109 VAN NUYS: CAL. 32967 SAN JOSE: CAL.	9373	9 03	3 41 20.7	<b>3 36 1</b> 5	37 59 29 0a			84500 <b>2</b>
32984 NEW ORLEANS LA.	2010	9 09	3 42 01			0 00	36 30	843332
32985 CHICAGO: ILL. 32962 N. CANTON. OHIO	0020	9 03	3 42 34.5	20 48 18 43 12	47 12			842032
32954 TERRE HAUTE, IND. 32986 CHICAGO, ILL.	8127	9 03	3 42 45.6	20 47	<b>46</b> 30	0	73 <b>15</b>	842343
37963 M. CANION: OHIO	0053	9 31	3 43 25	45 30	*3 *2			845442
32974 MILWAUKEED WISC. 32849 CINCINNAII, OHIO	0074	7 03	3 44 00	41 36 06	50 05	109 30	70 00	641304 845006
32989 ROANOKE, VA. 52805 MADISON+PB WISC.	0073 5078	9 03	3 44 12 3 44 12.7	21 10 22 40 g2	57 02 29 42			632007
52720 WESTFIELD'P. MASS.	5021	9 03	3 44 14	18 59 30	31 00			637067
32958 ROCHESTER+ N.Y. 32982 CALGARY: CAN.	8585 0 <b>45</b> 2	9 03	3 44 2901	20 12 54	31 08 3 12			845JJ2
32987 CHICAGO: ILL.	0020	9 03	3 45 23.4	22 32	33 40			845046
32970 SAM DIEGO+ CAL+ 32993 SAM JOSE+ CAL+	8573	9 03	3 36 14.6	13 59 16 23 24	49 36 63 36			845 042 845 00 <b>3</b>
32983 CALGARY: CAN. 32995 CALGARY: CAN.	0452	9 03	3 37 43.7	11 31 24 17 32 24	19 24			845002 845002
32994 SAN JOSE + CAL.	8573	9 03	5 38 14.3	18 22 00	70 12	!		845048
32997 PORILANO, ORE, 32146 SACRAMENTO, CAL.	8517	9 03	3 39 32.1	20 18 00	39 48	0 00	61 49	641334
32998 PORILAND, ORE. 32988 N. CANTON. OHIO	0076	9 03	3 41 59.4	22 40 00 17 30 48	22 12 17 50			845042
32999 PORILANO, ORE.	9076	9 03	5 42 35.4	23 63 00	14 12	}	Α.	842042
32996 CALGARY, CAN. 32971 SAN DIEGO+ CAL.	0452	9 03	3 42 39.2 5 42 42.8	23 23	63 00			84504 <b>2</b>
33997 SAN JUAN, ARG.	0812	9 03	6 19 00.0	6 33 12	-14 40	1		845042
33958 SAN JUAN: ARG. 10382 VILLA ODLORES:BN:ARG		9 03	8 12 22.63		-17 12	•		430048
10572 AREQUIPA+BN+ PERU 33959 SAM JUAN+ ARG	9007	9 03	8 15 00.04 8 18 00.0	4 27 06 5 25 28	-61 54			434023 . 84 <b>3642</b>
				111				

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DBS NG STATION 10583 VILLA DOLORES BN.ARG		DAIE	TIME 8 21 07-59	Po Ao 7 15 06	DECL. -37 10	AZ I MUTH	AL717UDE	MANGE BINDER 434023
33960 SAN JUAN, ARGU 33853 mitakan Japan	0412	9 03	8 22 23.6 9 24 01.5	8 12 18	-40 07	315 24	37 14	845042 849303
33854 MITAKAO JAPAN	0229	9 03	9 25 07.1			330 12	41 16	#45309
33855 MITAKAN JAPAN 33856 MITAKAN JAPAN	0229	7 03	9 26 01.0			28 10	34 00	8453 <b>03</b> CO <b>LC</b> +8
3365 MILANA JAPAN	0229	, 33	11 29 00.8			34. 54	30 30	849303
33866 YOKKAICHT . JAPAN	0258	. 03	11 30 04	14 42	87	117 4	37 14	84>002
33858 MITAKA: JAPAN 33865 KONKO: JAPAN	9229 9224	9 03	11 30 2244 11 30 30	17 55	47 18	337 30	>· ••	849403 845 <b>60</b> ∠
33859 MIBAKA. JAPAN	0229	9 03	11 31 40.0			356 36	42 48	845302
33863 MUSASHIND: JAPAN 33862 Asahirawa: Japan	0233	9 03	11 32 00	41 00	49	0 00	43 48	#4 <b>330</b> 2
33867 KAGOSHIMA . JAPAN	0218	9 03	11 37 04	1 43 30	33 30			845002
33861 MITAKA+ JAPAN 33868 Sapporo+ Japan	0229	9 03	11 37 05.3	48 UC	46 44	6 <b>96</b>	40 44	845402
33869 KAGOSHEMA JAFAN	0218	9 03	13 35 40	49 47	75 00			842 <b>6</b> 02
33870 HIGASHTHATSUYAHA JAP	U210	9 33	13 36 06	17 54	00			849004
52855 BASHKENT: USSR 10570 Shiraz'en: 18an	1 <b>9</b> 75 9008	9 03	15 24 33.0	13 54 00	77 60			849009 434013
52856 TASHKENT . USSR	1075	9 03	15 27 41.6	44 45 30	57 54			845069
52857 1ASHKEN1. USSR 52860 STALINABAD. USSR	1098	9 O3 9 J3	15 29 23.6 15 29 29.5	0 04 54	-1 30			845009
52847 ROSTOV . USSR	1041	9 03	17 05 31.5	. 0 53 18	40 30			845009
52846:RO\$10V+U\$5R 52862 KMARKOV+ U\$5R	1041	9 63	17 06 23.4	17 00 44	40 24			845009
52853 ATEV. 455R	1023	9 0 3	17 18 .5.7	44 34 66	19 10			842009
52863 KHARKE . USOR	1060	9 03	17 20 .7.3	45 15 UU	40 34			845009
52848 EREVAN. USSR 52854 KIEV. USSR	1018	9 03	17 43 40.4	13 10 00	64 48	•		845607
52850 KRASNOLAR I USUR	1327	9 03	11 .5 43.2	05	54 24			845009
52849 EREVANO JOSE	1016	9 0 3	17 26 31.7	4. 15 05	6.5 24			845069
52861 STALINABADO USSR 52858 TASHKENTO USSR	1068	9 0 1	17 26 42.1 17 27 48.5	15 41 06	42 42			8450 <b>09</b> 8450 <b>09</b>
52851 KRASNODAR + USSR	.027	7 4.	.7 47 54.4	43 49	49 48			845009
10575 SHIRAZ'BN+ TRAN 52859 TASHKENT+ USGR	9006 1075	9 03	17 29 67.49	1 42 06	69 51			434013
\$2864 KHARKOV GOS	1000	9 0.3	17 3. 44.1		7 30			845409
10557 WOOMERATEN, AUGTR.	y 603	y 03	16 04 5 4	3 42 12	3 53			434345
34128 10WNSVILLE, AUSTR. 34127 TOWNSVILLE, AUSTR.	6570 8578	7 -3	10 40 40.4			100 24	4- UZ	8 45304
34165 SYDNEY . AUSTR.	6004	9 03	18 15 4404	D 4.3	-44 12		•••	8-20-6
53650 BRATISLAVA, CZECM.	5702	9 63	19 .5 44.3	49 48 36	14 56			63-447
52872 ICHERNOVIESVO USSK 53566 LARISSA: UFLECE	8113	9 09	19 40 49.7	14 15 56	10 00	.77 40	73 78	843007
51850 BESANCON: FRANCE	. 727	9 0 3	19 . 7 . 7 . 76			.71 51	20 35	034209
53567 LARISSA, UREELE 51851 BESANGUNG FRANCE	0.13	y U.3	19 20 03.4			300 30	30 44	64530y
53939 FARNHAM, ENGLAND	5046	y U.S	19 34.4	44 04	30 18	.16 29	70 32	4 ut + E u
51852 BESANCON FRANCE	4721	1 33	49 24 34.04			.7. l.	04 47	KELLO
52865 UJGOROD+ USSR 51853 BESANCON: FRANCE	2727	9 03	19 24 53.9	11 02 90	35 24	09 47	73 40	845004
53568 LARISSA. UPEEGE	0113	9 03	19 44.4			347 44	14	84530"
52866 UJGOROD: USSR	1955	9 03	19 23 21.3	40 43 00	ند ود			842009
51854 BESANCON, FRANCE 53077 BRNO, CZECH.	2727 2720	9 03	19 23 24.9	46 53 10	36 44	10 21	59 55	8 <b>3-30</b> 9 737041
53580 LARISSA, GREZCE	8113	9 03	19 24 18.9			342 46	30 00	845309
51855 BESANCON, FRANCE 53581 LARISSA, GREEKE	2 727 8 1 1 3	9 03	19 24 20.68			74 41	20 44	80c468 VOLC48
52852 GORKII+ USSR	1050	9 03	19 21 33.1	44 37 00	1- 14		-	#4500Y
52873 TCHERNOVITSV+ WSSR 52867 UJGOROL+ WSSR	1042 1 <b>0</b> 55	9 07	19 27 34.2	46 30	73 70			# <b>49009</b>
52868 UJGOROD + US-R	1055	9 03	19 28 24.7	.3 00 00	5 60			845009
53651 BRATISLAVA: CZECH.	5 702	9 03	19 28 43.3	23 62 39	45 03			434942
10576 SHIRAZ BN+. 18AN 53569 LARISSA+ GREECE	9008 8 <b>1</b> 13	9 03	19 29 13.87	16 14 OF	53 39	70 66	30 30	<b>43</b> 4013
53582 LARISSA+ GREECE	8113	9 63	19 29 28.4			80 12	35 00	845309
53644 BRATISLAVA, CZECH.	5 702	9 63	19 35 19	** ** **	35 00			838042
32806 WOOMERA+ AUSTR. 32807 WOOMERA+ AUSTR.	0603	رز ؟ رپ لا	20 10 12.6 20 11 32.8			107 30	51 30 49 30	845302 845 <b>302</b>
32808 WOOMERA, AUSTR.	0603	9 03	20 13 40.3			101 36	40 00	**5304
55702 WASHINGTON+P+ U.C. 55703 WASHINGTON+P+ D.C.	<b>3</b> 09 <b>2</b> 5092	9 03	20 14 18 20 16 11	15 40	54 10 72 16			637009
32809 WOOMERA AUSTR.	0603	9 03	20 17 03.4	•• ••	,4 10	144 66	43 30	60166
53652 BRATISLAVA, GZECH.	5792	9 33	21 19 31.8	15 63 04	.6 00			614047
10565 SAN FERNANDOIBN+ SP. 53078 BRNO+ CZECH+	2720	9 93	21 24 58.90 21 25 19.7	22 59 30 13 58 30	7 06			434013 739041
53079 BRNO. CZECH.	2720	9 03	21 26 35.7	18 56 06	14 60			737041
53653 BRATISLAVA, CZEĆH. 53080 BRNO, CZECH.	5702 2720	9 03	21 27 01.8 21 28 15.4	19 06 48	15 06 7 <b>3</b> 6			634047
JATO BRIDE CECCIE	2120	. 03		10	1 30			737044
33636 SACRAMENTO, CAL.	8517	9 04	1 06 29.7			0 00	80 42	641304
32943 ALBUQUERQUE+ N.M. 33000 N. CANTON+ CHIO	8579	9 04	1 10 33.0	13 47 30	49 00	0 00	** 12	645403 64104 <b>2</b>
33005 N. CANTON: OHIO	8572	9 04	1 13 16.5	13 45 54	48 54			845032
33008 M. CANTON: OHIO 33011 NEW ORLEANS: LA.	8536 0030	9 04	1 13 18	13 50	50 00		94 44	641042
33011 RED ORLEANS LA. 33013 CHICAGO, ILL.	0020	9 04	1 14 44.6	A7 38	68 50	0 00	5 8 OO	84530 <b>2</b> 845 <b>0</b> 4 <b>2</b>
33014 CHICAGO: TLL.	0020	9 04	1 14 58.2	18 18	. 68 30			#45042
32843 CINCINNAII, OHIO   33016 COLUMBUS, OHIO	9555	9 04	1 15 39.5	18 35 70	78 06	0	54 04	845003 84 <b>5</b> 303
33009 N. CANTON, OHIO	8536	9 04	1 16 18.7	19 11 30	71 51	9	3+ V*	641032
32955 TERRE HAUTE, ING.	8127	9 04	1 16 27.9			29 15	47 30	845303
33010 N. CANTON: OHIO 32990 ROANOKED VA.	0073	9 04	1 16 36.2 1 16 40	19 35 30 10 37 41	71 30			641032 84 <b>5042</b>
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OBS NO STATION 33017 COLUMBUSS ONIG 33015 CHICAGO ILLA	00 A TE	DATE 7 04 9 04	TIME 1 16 97.3 1 17 30.9	Ro Ao 21 26 24 37	DECL. 70 18 22 37	ALIMUTH	ALTITUME MANU	1-4-A 04-406 04-446
33001 N. CANTON: CHIC	8336	9 04	1 17 49	24 45	44 48			8-44-6
33018 COLUMBUS, OHIO 33006 N. CANTON, OHIO	8559	9 64	1 19 27.4	23 37	46 12 28 30			84243
10553 OLIFANTSFNIN BN. S. AF	9002	9 04	1 35 40.00		-23 48			43-013
10554 OLIFANISFNINGHN.S.AF 33019 SAN DIEGO, CAL.	0133	9 04	3 69 28.0	8 39 18 11 28	54 48	•		04244
33637 SACRAMENIC, CAL. 33049 TUCSON, ARIZ.	8517	9 04	3 10 48.1	1- 07 30	69 33	348 00	70.0	644443
33638 SACRAMENTO, CAL.	8517	9 04	1. 08.0			0 00	23 34 49 25	0 4 4 3 U 4
33106 VAN NUYS, CAL. 33052 WHITTIER, CAL.	9566	9 04	3 16 51.5	10 26	89 01	<b>A A</b>		042443
33020 SAN DIEGO CAL.	2133	9 04	3 13 12.5	6 00	88 36	0 00 0	9 34 24 36	6-30-4
33053 DENVER. COLU. 33050 TUCSON. ARIZ.	0003	9 04	3 13 38.0			79 3 <b>0</b> 19 12	19 45 00	642343
33007 N. CANTON: OHTO	8559	9 04	3 19 29.0	17 25	48 14	47 44	29 42	642 <b>36.3</b> 842 <b>6</b> 4.
33012 NEW ORLEANS. LA. 32956 TERRE HAUTE. INO.	0030 8127	9 04	3 19 34 3 20 15.4			0 00	36 <b>6</b> 0 69 38	40t C+0
33054 CHICAGO, ILL.	0020	9 04	J 20 31.2	20 50	47 30		67 30	843042
33051 TUCSON: AHIL: 32844 CINCINNAII: UHIO	8555	9 04	3 .1 14.1	22 39 48	41 14	57 06	14 24	84530 <b>3</b> 84500 <b>3</b>
33055 CHICAGO. ILL.	0020	9 04	3 22 46.2	44 01	27 40			042042
33639 SACRAMENTO, CAL. 33640 SACRAMENTO, CAL.	8517	9 04	5 17 15.5 5 17 17.9	20 08 48	68 11	J 60	99 28	041904
33107 VAN NUYS, CAL,	0113	9 04	> 18 92.4	40 10 29	77 52			045343
33056 WHITTIER. CAL. 33057 CHINA LANE. CAL.	8566 0098	9 04	3 18 13.0 3 18 19.3			0 00	0 46 64 18	041303 041303
52829 MEANOOK P. CANADA	5450	9 34	5 40 00.6	26 59 12	- 0 00			631007
32845 CINCINNATI, CHID 32830 MEANOON P. GANAGA	5555	9 34	9 40 36.7	17 17 54	22 56 - 2 46			845003 83 <b>70</b> 01
34129 SAN JUAN, ARG,	0812	Y 04	5 54 53.6	> 47 36	- 4 24			049002
33108 VAN NUYS. CAL. 33641 SACRAMENTO. CAL.	c113	9 6-	7 ./ .5.0	47 43	30 06	497 44	27 40	645JJ3
10584 VILLA OOLORESIBNIARG		9 04	7 94 25.30	. 44 00	-24 00			-3406
33831 MITAKA, JAPAN 18533 AREQUIPA(BN) PERU	0229 9007	9 04	9 34 44.3		-61 14	9 42	4. 00	127U.2
10585 VILLA COLURESTENTARO		9 4	9 27 30	1 34 66	-65 38			434043
52869 VLADISVESTOR, USSA 13567 TORYOPEN, JAPAN	4005	9 04 9 <b>9</b> 4	1 03 23.7		32 54			0 7 2 3 4 7 4 3 4 2 <u>4</u> 2
33876 MUSASHIND, JAPAN 52870 VLADISVOSIGA, UJSR	0233	9 44 9 34	11 09 32.0	15 00	6. N. B. c.	3 66	40 14	0-3-46
33872 MILAKA JAPAN	.013 9	1 04	11 .0 20.5	14 15 00	48 54	13 30	43 06	0 4 JUU Y
33880 KAĞÇSHÎMA: JAPAN 33878 SAPPORC: JAPAN	0218 3.45	9 34	11 40 24.3	1 02 30	99 44 45 54			0 43004
33872 MITAKA: JAPAN	3229	7 34	11 .1 2000	•. 45	13 34	31 V6	44 24	34030
33874 MITAKA: JAPAN 33879 MIYAZA:I: JAPAN	0229	9 24	11 44 40.6	1 07 30	<b>3</b> 5 18	>> <-	<b>3</b> 3 00	3-3,c,
33875 MITAKA: JAPAN	322y	· 0-	.1 .5 93			68 54	23 30	0-3000
33883 SAPPORE: UAFAN 33 <b>0</b> 58 Taipei: Taiman	3245	9 <b>3.</b> 9 <b>3.</b>	13 68 4462	15 -7	26 A8 87 44			345462
33882 KANAYA MALHI. JAPAN	3.26	9 û4	4 4 4 17	15 34	64			04200
33881 ASAHTRAWA+ JAPAN 33885 RAGG-MIMA+ JAPAN	2201 218	7 60	44 45 43.0	*2 13 15	7 00			04500.
52871 ABAKAN - LUSH	.004	7 47	.> " ****	A7 44 44	11 30			0 7 36 4 7
52878 RC\$16v. USSH 52908 A\$HKHABA. USSH	1006	7 4	10 20 37.4	14 46 30	18 5. 19 24			843007
52909 ASHKHABALO USUR 52874 WOLCODAO WESK		9 34	. 57	45 CD 48	45 06 7 24			643693
52884 LREVANT US H	8	9	11 0. 41.3	17 01 54	7 24			0 - 2007
\$2881 DNEFRGPETREVSER USUP		9 .4	17 42 30.0	22 13	36 54 9 36			04,000
52889 3V&RDLGVSK, Usur 52875 VOLGGBA, Jssk	. 0-5	9 64	17 03 1307	40 00 JU	4 54			042007
52885 EREVAN - USSR	1053	7 94	.: 33 50.3					6-5-07
52879 ACS USJA	1041	4 64	7 -> 5		23 00			043007
52890 SVERULEVIE - DOSE 52888 DNEPHOPETROVSI - USOF	1045	9 04	11 00 10.0	A7 : 4 46	4 40			<b>8</b> 4 <b>3 4</b> 4 7
10577 SHIRAZ BN. TRAN	1306	9 4	17 00 54.6	> . 44 54	67 44			4 .467 2
52896 STALINAMAD. USSF 52897 STALINAMAD. USSF	1 - 66	9 04	47 19 44.7		\$8 30 49 46			042667
10558 WOOMERA'EN, AUSTR.	1000	9 4	17 42 55.4	7 3 15 46	-15 04			******
53654 BRATTSLAVA+ (216H+ 52904 TCHERNOVITSY+ 14519	3702 106.	9 04	18 34 69.6					******
53570 LARISSA, GREECE	8111	4 04	40 50 4446			297 00	44 46	
53571 LARTSSA - GRIECE 51845 BESANCON - FRANCE	8113	y 04	.6 . 44.4			471 49	49 30 70 36	63-307
51846 BESANCON. FRANCE	. 7.1	1 :4	18 38 3444	, <del>d</del>		.72 39	76 40	
51847 BESANGON, FRANCL 52891 LVQV, USSR	1031	9 04	18 37 67 1		27 00	86 37	04 60	874367 843007
51848 BESANCON. FRANCE	2727	9 34	14 33 30.8	>		45 05	65 43	0 2 4 \$UY
53572 LAPISSA: GPEECE 52892 LVOV: US58	8113 1 <b>03</b> 1	9 34	19 00 35.9		30 00	341 30	44 42	0 42 3U 7
53573 LARISSA. GREEGE	8713	9 34	19 01 51			3-0 18	92 12	****
52898 KTEN, USSR 53583 EARTHSA, GREECE	1 <b>623</b> 81 <b>1</b> 3	9 04	19 01 59.5		5	טט נכנ	57 48	6-33-41
\$1849 BESANCON. FRANCE	2127	9 04	19 02 92.0	0		47 03	41 -0	004307
52882 SARATOV- USSH 53655 BRATISLAVA- CLLCH-	1044 5702	9 04	19 03 32.0		14 46			640648
53584 LARISSA. GREECE	8 4 1 9	9 04	19 04 06.1	)		37 36	56 24	****
52910 ASHKHABAU+ JSSR 52899 KIEV+ USSR	1053	9 04	19 04 36.4					043044
52880 ROSTJV. USSA	1041	9 04	19 05 17.	18 45 36	60 30	)	•	
52905 TCHERNOVITSY+ USSR 53585 LARISSA+ GREECE	1062 8113	9 04	19 05 48. 19 06 03.		2 19 2	69 30	42 30	0450 <b>3</b> 4

685 NO STATION	STA NO	DATE	TINE	No Ac	DECL.	MEUNISA		RANG INLE
51631 HEUDON - FRANCE	2715	9 04	19 06 16.3		45 38	91 57	12 38	637109 845009
52885 EREVAN• USSR 52911 ASHKHABAO• USSR	1006	9 04	19 06 23-7	18 18 00 28 36 30	13 00			845009
55586 LARISSA, GREECE	8113	7 04	19 06 53.9	## 30 30	22 00	75 30	37 06	845309
52893 EVOV. USSR	1031	9 04	19 07 17.8	22 43 30	7 14		<b></b>	845009
52886 DNEPROPETROVSKO USSR		9 04	19 07 20.9	20 50 48	17 48	- 55		845009
51632 MEUDON + FRANCE	2715	9 04	29 07 28.2			91 40	8 26	693109
52881 ROSTOV+ USSR 53587 LARISSA+ GREECE	1041	9 84	19 07 36.4	27 03 15	14 15	79 34	34 14	845009 845309
10578 SHIRAZ BN. IRAN	9008	1 0-	19 07 49.58	16 41 06	39 45	., .,	20 10	434013
51633 HEUDON - FRANCE	2715	9 04	19 38 03.2		•	11 33	6 34	637109
52877 TBILISI. USSR	1053	9 04	19 08 21.7	20 44 96	33 48			845009
35984 BOCHUM, GER.	8599	9 04	19 09 60	19 31 48	28 24		122112	845002
35061 WOOMERA AUSIR. 33062 WOOMERA AUSIR.	0609	9 04	19 42 12.7			268 30	30 30	#45302 #45302
33063 WOOMERA, AUSTRA	0603	9 04	19 47 11.1			252 06 2 <b>3</b> 5 <b>2</b> 4	43 0 <b>3</b> 5 <b>3 1</b> 8	845302
10559 WOOMERA'BN. AUSTR.	9003	9 04	19 47 10.13	1 11 00	-57 48			434029
33064 WOOMERA, AUSTR.	0603	9 04	19 51 49.4			134 36	J7 G6	645302
51634 HEUGON FRANCE	2715	9 04	20 58 38.3			269 45	35 20	637109
51635 MEUDON - FRANCE	2715	9 04	40 59 03.5			267 37	39 OF	637109
51636 NEUDON - FRANCE	2715	9 04	21 00 04-1			280 14	47 31	637107 837107
51637 MEUOON+ FRANCE 19563 SAN FERNANOU'BN+ SP.	2115 9004	9 04	21 01 39.0	22 04 04	73 43	134 30	64 21	434023
52894 LVOV+ USSR	1031	9 04	21 02 31.4	17 61 00	43 54			845009
51638 MEUDON: FRANCE	2715	9 04	21 02 31.7	-		216 29	66 CE	637109
51639 MEUOON+ FRANCE	2 715	9 04	21 03 03.9			186 •9	05 45	637109
52901 UJGOROO: USSR	1055	9 04	21 03 08.8	17 22 00	16 06			845009
53940 FARNHAM, ENGLAND 52906 TCHERNOVITSY, USSR	8048 106 <b>2</b>	9 04 9 <b>3</b> 4	21 03 16.2 21 03 48.1	70 36 54	15 12			84504 <b>9</b> 84500 <b>9</b>
51640 MEUDON, FRANCE	2715	9 0 4	21 04 02-2	17 31 00		159 45	59 01	637109
52903 ROSTOV - USSR	1041	9 04	21 04 28.2	17 14 00	11 03			845009
51641 MEUDON+ FRANCE	2715	. 0.	21 95 02.5		-	1-3 10	-9 40	637109
52900 KIEV+ USSR	1023	9 34	24 05 31.0	17 67 42	- 5 00			845009
52902 UJGOROU - USSR	1055	9 0-	21 05 46.6	18 05 70	¥0 30			845009
51642 MEUDON: FRANCE 52932 TCHERNOVIISY: USSR	2 <b>315</b> 10 <b>6</b> 2	9 64	21 06 10.1	19 18	8 50	135 44	-0 19	637109
52895 LVOV - USSR	1031	9 04	24 06 39.2	AV 33 54	30			845003
51643 HEUDON + FRANCE	2715	9 0 -	23 00 09.7		• •	274 15	43 37	637109
51644 HEUDON, FRANCE	2715	9 64	23 35 07.A			469 44	47 40	. 637109
51645 HEUDON FRANCE	2713	9 04	23 62 16.3			202 14	24 47	· 637109
51646 MEUDON, FRANCE	2715	9 0-	23 C3 2107			453 48	52 10	637109
51647 NEUDON : FRANCE	2715	9 64	23 64 06.4			246 52	27 47	837104
34137 SACRAMENTO CAL.	6511	y 25	U -3 59.0			6 03	45	8-4304
32944 ALBUUUEROUES N.H.	8579	9 05	6 48 04.5			9 00	-5 30	845343
33065 NEW ORLEANS . LA.	0030	9 05	C 51 51			0 00	28 00	849304
33067 TERRE HAUTE. INC.	8127	9 05	C 52 31.4			3	52 08	6-5303
92846 CINCINNATI, CHIC	0555	9 05	3 59 0600	17 53	78 30			8-5663
33068 TERRE HAUFER BNC.	8 1 27	9 05	0 54 05.7			30 45	40 -0	842303
32991 ROANOKE. VA 10535 OLTFANTSFNENFBH.S.AF	9002	9 35	3 54 35 1 35 49.60	1 20 00	82 50			#45042 #340 <b>2</b> #
33071 TUCSON - AR12.	0002	9 05	4 47 53.7	1 13 03	-30 40	349 40	40 10	049303
33072 IUCSON, ARIZ.	3363	9 35	2 48 44.7			3.5 44	66 76	842303
33079 SAN DECGO LAL.	2133	9 33	2 48 43.0	44 43	69 44			843644
34138 SACRAMENTO, CAL.	9517	9 35	2 49 40.			9 00	49 43	644304
33109 VAN NUYS. CAL.	0113	9 35	50 44.3			•	34 44	645948
33074 SAN DIEGO: CAL. 33075 SAN DIEGO: CAL.	0133	9 05	2 50 43.7 2 54 38.7	6 60	86 36		•	849042
33079 SAN ANIONIUI TEX.	8543	9 35	2 35 05	0 32	5- 00	٥	46 30	* #45304
33066 NEW ORLEANS: LA.	0030	9 35	7 36 59			0 0	34 30	642104
33382 SAN ANIGNIO: TEX.	0096	9 05	2 57 000Y	1 .4	70 32			849042
33069 TERRE HALTE: 140.	8127	9 05	2 58 44.4		10	35 07	u7 -5	**5.03
32992 ROANOKE + VA -	0073	9 05	2 58 52	00 .4 Se	57			845044
33085 CINCINNAIL OHIO 33070 TERRE HAUTE: THD.	8555 8127	9 05	3 58 36.4 3 JI \$4.6	44 33 4-	35 3c	86 JL	+7 .5	849003 8433 <b>0</b> 4
33087 DENVER. LOLO.	8562	9 05	3 0. 51.0			٠٠ ١٥ ١		
33088 SAN JOSE+ CAL.	8573	9 35	4 50 90.1	13 49 53	51 31			645004
33076 SAN 01EGO. CAL.	0133	9 05	- 31 50.0	13:46	55 94			845042
33077 SAN DIEGO. CAL.	0133	9 35	4 54 23.7	1- :3	7- 12			849042
34139 SACRAMENTG, CAL. 33089 SAN JOSE: CAL.	65 <b>17</b> 95 <b>7</b> 3	7 35	4 54 44,1	.4 28 07	69 5	9 00	30 18	641304
33110 VAN NUYS. CAL.	9113	9 05	4 55 22.8 4 55 34.3	20 07 37				849043
33090 WHITTIER CAL	8566	7 35	4 55 44.0	20 0. 3.	• • • • • •	0 00	00 44 de 1	
34140 SACRAMENTO. CAL.	8517	9 65	4 56 19.3	47 49 48	56 1 -			841013
33080 SAN ANTON <b>io</b> , ilx.	8543	9 05	4 58 4004	16 13 30	61 13	•		840044
32945 ALBUQUERQUE . N.M.	8579	9 05	. 20 51.4			0 00	27 Ga	845504
33086 CINCINNATI + OHIO	8555	9 33	4 58 57.7 4 59 21.6	17 43 42	43 .0			845003
33078 SAN DIEGO+ GAL. 34141 SACRAMENTO+ CAL.	8517	9 05	6 35 18.0	16 36 48	47 30			84904 <u>.</u>
34142 SACRAMENTO CAL.	8517	9 05	6 56 00.1	17 45 18	32 22			844013 641013
33091 SAN JOSE . CAL.	8573	9 35	6 56 24.9	17 13 34	35 21			#45003
34130 SAN JUAN+ ARG.	0814	9 05	7 32 55.4	4 58 36	-32 00	•		845002
10586 VILLA DOLORES BN. ARC		9 05	1 37 06.76	7 15 42				434023
10574 AREQUIPATENT PERU	9007	9 35	9 31 53.36					434023
10587 VILLA DOLGRESTANTARO 33888 MIZUSAWAT JAPAN	9011	9 05	9 36 46.53	1 16 54	-66 46	1 - 54	>> <b>∆</b> 6	43402J 849304
33887 SAPPORO, JAPAN	0245	9 05	10 53 51	0 02	12		40	845002
32147 ASAHIKAWA+ JAPAN	0201	9 35	10 54 16+2	¢ 10 00		ı		842646
33059 TAIPEL - TATHAN	0502	9 05	12 43 04.0	7 35	86 36			845044
33092 HSINGCHU GITY TATWAN		9 03	12 50 18.0	1 48	20 24			845044
33093 HSINGCHU CITY TATHAN		9 05	17 51 42.4	1 37	37 48			845042
33060 TAIPEI: TAIWAN 33890 SAPPORO: JAPAN	0502 0245	9 05	12 51 53.9 12 52 07	1 37	<b>57 00</b>			845042
32148 ASAMIKAWA: JAPAN	0201	9 05	12, 52 11.0	19 43 00	20 18 00	)		849002
52927 STALINABAD, USSR	1068	9 05	14 41 02 1	19 28 54				84>005
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OBS NO STATION	STA NO	DATE	TIME	R. A.	DECE.	HTUMESA	ALTITUOL	HAVIOL INULE
SZ928 STALINADAD. USSR	1068	9 09	14 41 52-4	41 34 48	72 48			849009
52915 TASHKENTO USSG 52916 TASHKENTO USSG	1075	9 05	14 42 49.4	43 46 30	27 44			849009
52926 KHARKOV, USSR	1000	4 us	10 34 18.3	14 13 24	19 44			•42U0b
52912 EREVAN. USUR 10589 Shtrazadhe Iran	9338	9 35	16 41 44-1	6 43 00	86 39			43401A
52929 STALINABAL+ USSR	4368	9 25	46 48 34.6	15 08 36	50 18			843013
52917 TASHKENT, GUSR 52930 STALTNABAD, USSR	1075	9 65	10 43 3	10 47 36	43 46			049007
52918 TASHKENT: USER	1068	9 35	16 46 23.3	20 39 48	23 48			- 049609 045009
52931 STALINADAD. USSR	1668	9 05	16 48 07.2	44 38 34	18 48			849669
52919 TASHKENT: \$55R 53574 <b>Larts</b> sa: Græege	1075	9 05	16 48 16.8	22 12 30	48 14	4.3 30	7 10	845009
52920 RIGA: USSR	1040	P ()	18 35 65.7	14 49 48	5 14			849009
53575 LARISSA, GREEGE 51797 BESANCONS FRANCE	8113 2727	9 05	18 34 03.42			467 36	24 49	0 ~ 2 4 3 v
51798 BESANCON . PRANCE	2 7 2 7	4 45	18 35 00.89			47	67	034331
53576 LARISSA, WREELE	8113	v 35	10 35 69.7			303 44		0-2549
53577 LARISSA: WHIECE 51799 BESANCON: FRANCE	727	y <b>U</b> 5	88 36 36 7 88 36 43 38			309 33	33 36	6435 <b>3</b> 5 84307
51800 BESANCONS FRANCE	2727	9 65	10 31 03.16			06 22	70 40	034309
52921 RIGA: 655R 33094 BERLIN: GER.	3 7 3 0	9 05	16 37 39 4 18 37 50 1	10 00 10	11 30	407 36	63 00	84500 <b>9</b> 8 <b>4533</b> .
51801 BESANGON. FRANCE	2727	4 .5	48 98 34.44			** **	64 24	2440
13296 HANCYERS JERS 52922 RISAS US N	37.4	5	18 38	17 16 10	10 34	453 57 ve	04 10 00	84390g
54578 LARISSA	8 4 4 4		16 15 56		,,	117 00	34 -6	045333
SIBOZ BESANU No PHAN E	4 7.		** . 4 ***			85 24	44 40	03-3-7
19575 ERMARNO AMA 1988 LAMASSON SHEE E	07.6	9 67	14 99 35.6 4 99 49.7			304 46	-4 4- -1 0-	04 <b>3</b> 204 14224
SAHOR BESANIL'NO PHANCE	. 7. 7	4 4	18 40 640-7			07 .6		00-200
DABOH BESANCHNA PHANIC 52923 RIGA	. 74.7	w	44 44	A7 47 U.	• 50		16 -7	1967C
52913 EREVAND S.R.		w . •	16 -1 -0 -	.5 .7 4	40 44			045601
4.914 ERL 444 R	A . A D		46 44	.> >3	43 👊			8 -306 3
5180 21 4N % F44% E	. 727 - 11					34 44	31 00	#34307
THE E BECAN No FARM :	. 7. 7	9 96	40 44 .4044			## >3	40 49	03-107
PART LARES DESCRIPTION	3 4 4 2	9 3.	10 44 4544	46 44 .4	64 43	73 44	11 00	4756
Sand Water of Sand	3119	<b>1</b> . 5	. 0 - 1 10 - 7	•= •= •=		70 00	9. 06	6-29-9
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Sasab MEUDUNA FARALE	. 7.	7	13 .2.5		-25	. 77 15	.8 .0	037107
SANA ME-CONO MANE	7 . 5	* *	. 14 1000			474 44		637448
118.7 BE ANICH ANCE	11.5	y 05	4 25 45 4			474 14	30 40	634,08
SSTOR PULLARE STATE	. 7. +	U .	40 35 3400	45 44 60	49 4			634447
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Die a coudhoune feature		9 a5	11			174 47	** **	03-003
5300, PARMAM, ENJ. 496 5577: PUTJAMA UER.	5 CA H	7 U2	40 37 44.0	16 40 40	4> 44			042443
SAN OF ANCIDE PROPER	4147	9 04	4 40		1, 00	460 37	45 44	03-367
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15 4 BURNHO WEND	4 7 A 7		4. 4. 44.7	47 10 10	44 6	407 44	D4 . V	036,07
- 3 97 MANCOLMO JEM			40 44 444	17 16 10	13 6	144 00 0		
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A THE SECRET OF A PRAINCE	. 7. 7	ש ש ש לע ע	4. 4. 40.5			100 00	84 90 44 94	<b>206</b> 460 206460
3.656 MESTENS FRANCE	. 7.5	v 45	16.4			135 00	-3 50	837409
50776 FOTSDAM, wek.	.7.9	5	40 49 39.4		4 34			834309
11. 46 HANGIER . SEN.	- 1-4		. 44 00.7	10 :0 00	0	163 00 0		
5.55" MEJLEN PRANCE	4742	7 05				430 45	37 35	637167
95777 PUTIDAM, DEP.	. 7. 7 . 7. 7	9 U.S	44 44 47.6	40 53 36	- 0 20	100 30		24409A
sseel ELHEINE WORK	1100	* -5	44 TU 34.3			667 34	46 45	048304
45.12 BERLING CON. 53113 BERLING GEN.		7 05	44 44 44.6			.10 -4	36 30	و <b>ن</b> دوله ه <b>ون</b> د څه ه
JILLA MEREINA GER.	່າ	7 03	44 44 44.5			108 46	3- 4-	845333
4444 JACRAME "" - CALE	8 - 47	9 46	U 21 18.5			C 60	0 b 6	A
BBUC N. CANTON CHIL	6236	7 00	6 48 30	13 -5	49 14		0 U U O	642304 643042
19:11 TERFÉ HAURE IN.	0 A 4 7	7 46	u su Gi.?			U	34 ->	849302
13003 N. LANIERO UNIO 33.64 N. CANTON MIG	8344	3 06	· 4. 28.5	40 44 34	73 2.			845032
39470 M. CANTURE UMEU	6284	7 UE	6 34 33	40 46 54	73 40	•		845434
33.22 POCHESIER . 4.4. 33.22 N. CANTON ONLO	8364	9 36	0 32 96.4	47 40 33	61 49			84 <b>93</b> 33
33442 N. CANTUN: UNIU	0339	1 46	· 41 03.4	10	14 4			84904.
34645 SACRAMENTO, CAL. 17769 SPEKANLO MASHA	6517	7 36	4 20 04.6			) 00 180	30 04 47 41 44	641304
33127 MILHAUIEE15C.	6674	7 46	2 28 44.0			297 66	11 44	641334
33131 DENVER. COLU.	8982	9 06	2 31 05.0	,,	3.41	3 15 3		
33123 N. CANTON: UHIU 33128 MILWAUKEE: FISC.	0074	9 06	4 31 36•4 2 31 58•0	14 30 00	38 2	297 00	45 54	845043 641304
STEENANTH TO TEA.			2 34 36.7	<b>3</b> 17	84 5.			045044

005 NO STATION	5TA NG	DATE	TIME	Re Ae	DECL.	HTUHISA	ALTITUDE R	INGE INDEX
33124 No. CANTON: CHIC	8359	9 06	2 39 2407	15 37	47 00	307 18	67 12	8 <b>4</b> 504 <b>2</b> 64 <b>3</b> 304
J3133 NEW ORLEANS. LA.	0030	9 06	4 34 24			0 00	34 00	845302
33384 SAN ANIONIO+ 7CA.	9096 9090	9 06	4 34 43	1 18	71 06	٥	32 18	84504 <b>2</b> 84530 <b>2</b>
33135 STATE COLLEGES PA.	3062	9 06	£ 34 5504			298 48	49 24	845303
33137 CHICAGO, ICC. 33138 CHICAGO, ICC.	0020	9 00	2 35 16.0	19 37	54 40			84504 <b>2</b> 84504 <b>2</b>
13116 CHICAGO. ILL.	00.0	8 60	2 25 22			55	77 30	845302
33081 SAN ANIONIO. 76X. 33117 TERRE HAUTE: INC.	81.7	9 36	2 35 39.6	1 09	60 15	33 00	66 22	845303
93139 MILWAURCE: #156. 93139 N. CANTON: EHIO	85	9 06	2 36 51.0	20 47	45 54	42 45	61 24	641304 845033
52866 MADISON'F 10.	5078	9 06	2 39 06.5	23 43 00	16 00			637007
52771 WESTFICHUPP: MADS: 33143 N. CANTON: OHIO	502 <b>1</b> 8 <b>53</b> 6	9 06	2 49 16 4 39 20	22 45	25 23 30			637007 641042
33144 N. CANTON: OHIO	3544	Y 00	2 39 23	26 48	24 45			845042
33145 N. CANTON: OHIO 33116 TERRE HAGTE: INC.	8572 8127	9 06	4 39 23.4 2 39 23.8	2. 65 40	25 44	89 30	3. 15	84>U32 845303
39146 N. CANTONI OHIO	8>65	9 00	6 34 24.Y	24 48 30	43 44			845033
331-7 N. CANTON: OHIO 33126 ROCHESIER: N.Y.	8>54	4 00	2 39 25.8	41 38	18 18			845033 845033
33148 WHITTIER, CAL. 33150 SAN DIEGO, CAL.	8566	9 06	4 49 12.8			321 36 2	25 40 12	845303 845042
33133 SANTA MONICA: CAL.	0133 3143	9 00	4 30 23	13 64	55 54	347	29	845302
34143 GACRAMENTO, CAL. 33156 TUCSON, ARIZ.	33.1	9 00	4 31 10.5 4 31 26.9	10 37 30	70 05	345 40	25 14	641013
33159 PORTLAND - ORL.	0076	7 40	- 32 0200	15 30 00	45			842044
34146 SACRAMENTO, GAL. 33154 SANTA MONICA, CAL.	8517	9 36	4 32 0904			224	56 43 44 40	84>302
33161 SAN JOSE, CAL.	8573	7 30	4 32 55.5	41 48 37	70 28	***	-7 30	845003
33151 SAN DIÈGO: LAL. 33162 SAN JOSE: CAL.	8573	9 06	4 33 2700	20 46 48 40	82 06 62 58			845042 84500 <b>2</b>
33163 MILWAUKEE+ w150.	0074	y 06	4 34 27.5	40 40	02 30	279 42	24 24	641304
33157 TUCSUN: ARIZ. 52965 SPOKANE: #ASH.	8444	9 06	4 34 13.7			134 14	40 48 <b>99</b> 48	845303 84 <b>3</b> 302
33164 MTLWAUKEE: #134.	J. 74	9 60	4 35 27.6			274 00	29 24	641394
34147 GACRAMENTE: CAL. 33152 GAN DIECON GAL.	8247	7 00	4 33 4407	., .,	37 50			641313
33156 ALBUUULRUUE, N.M. 33152 PORTLAND: ORE.	8579	y 36	4 30 1400			0 00	62 <b>0</b> 6	845302
33162 MILWAUNEL WILL	0076	9 06	4 36 13.7	4. 58 00	13 48	264 30	35 34	84504 <b>2</b> 641304
528L7 MADILONPP, #155. 52966 SPORANT, #ASM.	5678	9 00	• 37 13.0	48 44 33	17 30		11.50	637007
33149 WHITTIER: GAL.	8142	9 00	4 31 26.1			65 21 0	33 18 0 34 <b>0</b> 4 12	84530 <b>2</b> 8 <b>4</b> 530 <b>3</b>
33157 N. CANTUM, OHTO 33158 TUCSON, ARTZ.	8544	9 06	4 37 36.6	17 44	17 40	41 54	+5 30	845032
33155 SANIA MUNICA LAL.	0003 0143	9 96	4 37 40		•	•7	33	84530 <b>3</b> 84530 <b>2</b>
33168 M. CANTUM: GHTG 33132 DENVER: GOLG.	8582	9 46	4 37 40.8	17 48 30	10 40	115 -> 0	0 65 GO	845034 84530 <b>3</b>
52967 SPOKANLI HAUNG	8442	9 36	6 11 50.5			407 14	10 14	845304
33169 SAN J946+ ÇAL. 33170 SAN J086+ ÇAL.	8>73 8>73	9 06	6 33 40.0	16 39 54	36 33 36 31			845042 8 <b>45</b> 00 <b>2</b>
52968 SPOKANEL HASIN.	8142	9 06	د.هد دد ه			235 12	30 48	845302
34148 SACRAMENTO: DAL. 10591 VILLA DOLORESTENIARG	85 <b>17</b> 9011	9 06	6 35 440.	18 24 48	31 27 -39 41			<b>641</b> 013 <b>43</b> 4023
10592 VILLA BOLORES BY.AR.	9511	9 06	7 47 02.53	8 02 18	-37 01			434023
10588 AREQUIPAPEN: PERG 10593 WILLA DULORESIBNIARG	9007	9 06	9 09 19.01		-60 11 -55 40			434023 434023
34231 SAN JUAN: ARG.	0612	¥ 06	9 20 36.7	10 11 36	-\$1 30			845002
10594 YILLA DOLUPLG®BN.ARG 33891 GAPPORG. JAPAN	9011 0245	9 06 9 06	9 23 30.37 Catt 92 01	4 5 <b>0 1</b> 8	23 16			434023 84500 <b>2</b>
33893 KAGOSHIMA: JAPAN	0218	9 06	14 25 59.4	15 00	15 00			845002
33171 TAIPEI: TAIWAN 33892 SAPPORO: JAPAN	05 <b>0</b> 2 0245	9 <b>0</b> 6 9 06	12 28 53.9 12 29 44.9	4 30 19 <b>32</b>	19 42			845042
11837' NAINT TAL-BN. INSTA	9036	9 66	14 24 01.65		59 15			434013
51828 ORENBURUH. USSR 16597 SHIRAZ'UN. EKAN	1063	9 06	16 20 38.8 16 24 16.02		20 42			845009 - 434013
11838 NAINI 7AL-ENG INDIA 33.99 HANOVERG GERG	9006	9 36	18 15 07.4	40 49 18	71 13	164 19 4	o 63 12 00	434013 845302
51826 DNLPPOLETROVS . USSR	1017	9 66	18 19 02.4	14 52 00	15 06			845009
51823 KPASNODAR: USBR 51827 DNEPROFETROVSC: USBR	1027	9 26	18 19 40,8	2 21 00	37 24 41 54		•	845009
51824 KRASNOLAR. USSR	1027	y 06	18 21 29.8	20 45	26 54			845009
13598 SHIRAZ'UN+ IRAN 51825 KRASNOCAR+ USSR	9008	9 06	18 22 08.92 18 24 58.3	22 35	9 24			434013 845009
34166 SYONEY - AUSTR.	0642	9 66	19 11 2303	9 49	-62 24			845042
55782 ROOE#1\$GH+ GER. 35986 BOCHUM+ GER.	8399	9 06	49 12 04.6	14 22 48	14 42 28 27			834009 845002
10595 SAN FERNANDO'BN. SP.	9004	\$ C6	.0 16 38.60		77 08			434013
51816 EL GULEA: ALG. 55783 ROOEWI <b>SCH: C</b> ER.	6411 2733	9 36	20 18 15.0	18 34 42	16 14	359 12	13 00	845309 83400 <b>9</b>
35387 BOCHUM. GER.	8599	9 06	20 19 02.2	19 33 42	14 48		11.00	845002
51817 EL GULEA, ALG. 51818 EL GULEA, ALG.	6411	9 06	20 20 15.0			95 06 48 48	35 00 30 36	845309 845309
10596 SAN FERNANOD'BN. SP. 34149 SACRAMENTO, CAL.		9 06	22 18 47.80	16 35 48	46 39		100	434013
			23 58 37.5				87 -9	**130*
34150 SACRAMENTO, CAL. 33174 NEW ORLEANS, LAD	8 <b>517</b> 0030	9 07	2 04 33.1			0 00	33 10	641304
33175 BILOXI . MISS.	0090	9 07	2 12 04.5			0	31 06	845302
51791 MANHATTAN: KAN. 33176 STATE COLLEGE: PA.	8110	9 07 9 07	2 12 09.2	22 28 12	58 01	301 30	48 00	845009
33118 TERRE HAUTE. INO.	8127	9 07	2 12 29.3			0	63 43	845303
33140 N. CANTON. OHIO	8>84	9 07	2 12 40->	17 30 30	>> >5	1		845032

- 112.						209-12	
ODD NO STATION  33117 CHICAGO, ICL.	DE DE	DATE 9 07	\$3HL 2 32 40.3	光安 油香	***		KANUL PHULA
STEEL CHICAGO, ICC.	8110	9 07		23 22 27	-0 30	22 00 00 73 00 Qu	84230 <u>4</u> 845009
51393 MANHATTANO LANA	8110	9 01		20 44 12	40 07		845009
33141 N. CANTON, CHIE	8 >44	9 47	2 14 23.4	40 29	48 34		845043
33179 N. CANTON, UMIG	8 <b>3 3</b> 8	1 07		14 44	25 33		641032
3174 MANHATTAN, KAN. 32848 MADIGON'F: MISCA	9110	• .7		24 53 07	2 37		845009
SZECS MADISON'P: HISCO	3078 3078	7 17		2 <b>3 .                                   </b>	12 30		637007 637007
\$2722 HESTELLUTES MAUSS	30.1	7 07	2 17 36	21 32 30	19 -8		637007
33176 CHICAGO ALL.	0020	y .7	2 17 40		_	101 00 00 32 00 00	845302
\$3142 N. CANTON: CHIC	8576	y 31		42 <b>3</b> 8	22 30		845042
33180 N. CANTUN. CHIU	8 2 16	9 07	4 47 -1.7 4	23 us	17 40		041032
31119 TERRE MAUTE, INU. 33142 ROCHESTER, N.Y.	8127 8384	9 31	2 17 62.9	22 26 00	13 24	91 15 31	#45303 845033
33183 SAN UTTER, LAL.	0133	7		13 64	58 54		845042
3316 SAN WOLL CALL	5513	y u7	4 40 24.6	15 40 40	12 29		845003
3-151 SACRAMENTO. CAL.	8017	7	- UB ZE	16 43 18	72 57		041013
33190 PORTLANDS UNG.	8517	7 7	4 .8 .8.0	17 35 00	- 9 00		845041
3319. PORTGANDI GAL.	0076	y u?	• • • • • •	. <b>.</b>	37 44	<b>U</b> UU 35 14	541304 542042
52919 SPCHANCE MAUR.	b14.	9 47	. 10 49.4		• • • • • • • • • • • • • • • • • • • •	140 34 .0 4.	645304
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33.84 SAN MICULO CAL. 51795 MANMATPANO CAN.	3	1 31		-6 34	83 24		845042
51795 MANHATTAN KAN.	8110	1 07		18 35 <b>56</b> 18 42 <b>5</b> 6	38 56		845009 845009
13499 NAN NUYS . CAL.	414			0 44 44	18 4 3		845043
33192 PORTLANDS URL	2370	, ., ,		. 5 48 50	10 00		845044
334 TH SAN ANTUNA . TER.	0.243	7 37	4 4	40 44 44	74 47		842041
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444 3 SAERAMINTO JAS.	5 9 7 8	y7	4 45 4	40 -0 44	17 30		601013
13.85 SAN DIENO CAL		, ,	5 53.4	0 54	30 36		840042
331 ME TERME MAUTE & INC.	***	7				.62 48 35	842343
131 79 FURTLAND - THE	Ju 76	9 47		40 4. 40	24 90		443046
13231 POR LAND. URL. 137 / SAN DO LA LA.	J. 76	9 07		10 47 00	7		84504.
- 332 1 PORTUGADO CHE.	4 * 7 ¢	7 07	6 44 JUST	10 44 47	34 44		845004
129 I 5 C AVI - ASH	5 444	, ,	6 4	., .,	. 40	4.4 54 32 46	845304
334 3 VAN 4.700 CAL.		, ,,	0 44 45			470 99 31 24	842302
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338 45 AFF J	44	4 37	45 AU AY	. 3 46	. 0		842004
332 5 Hollechul A. A.	9	1 37		* **	6.2 ▲8		445042
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03656 BHATILLA.A F.	4 704	7	17 35 41		32 18		634044
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51891 FIGA. U.S.F 51877 HARRON, G.SF	1980		47 58 52-7	11 20 00	8 30		845009 845009
51813 LVOV - US -H	1000			41 .6 .0			845007
5.882 EPEVAN CL'A	10	7 . 7	17 50 4P.	.7 .8 06			845307
5.883 EREVANO LO H		, .7	17 19 06.5	.7 20 00			845009
53657 CPATISLANA, CIECH.	* 704		.7 59 37.7	. 4	18		634042
SIEFE KHAFKER O'SH SIEES KÜSTERN AS H	1 341			47 56 JU			842007 342007
\$1888 LVUV. US.R			16 UI 04	. 3 45 30	• .6		842007
S.MT! BANGE USSH	1007	+ 27	16 34 34.5	10 41 30	<b>⇒</b> 0 30		845007
1881 STATTMANAN SSH	1068	· )?		6 57 30			845009
51865 LVDV, USSR 51890 ISHERNUVIVST, SSR	1031			46 57 00			845009
51840 15HERNOVITOT: 335P	1062	9 37		11 41 00			845009
1.606 SHIRAZ BN IRAN	9008		18 02 40.17	20 17 -8			434013
51887 TASHKEN 55F	4375	1 11	18 32 47.8	17	45 .8		845009
\$1888 TASHKEN7. USSP	1075		18 UJ U4+1.				845009
51870 SAPATOV, SUSA 51867 FRASNOVAR, SUSA	1044		18 01 35.8		- 5 -8		8 45 JOY 8 45 JOY
51861 PREDUDATE USER	1027		18 U3 14.6	22 47 40			845009
1550 HOOMERATER, AUSTE.	3003		19 39 34.53	1 36 56	-90 98		434023
35999 POISDAM. JER.	6721	y 37	4 31 16. 1	14 27 12	1- 25		834047
53658 BRATTSLAFA (ZECH.	5 702	9 37	19 53 46.0				634047
10601 SAN FERNANDOTEN. SP 33100 HANGVER. UER.	9 7004 0 702	9 07	19 53 58.20 19 58 26.6	21 21 00	78 18	195 00 38 49 01 4	8 845302
ANTON CHAMOLOGICAL OCU.	0702	, , ,	14 30 50.0			122 00 30 47 UI 4	0 - 3302

OBS NO STATION		DATE	TIME	R. A.		HIUNIA	ALTITUDE	HANGE INDEA
56000 POTSOAM: GER. 51892 RIGA: USSR	2729 1040	9 07	19 56 33.3 19 58 13.6	16 37 00 18 57 00	- 3 06			834049 845009 845009
51874 LVOV+ USSR 51893 RIGA+ USSR	1031	9 07 9 07	19 58 41.9 19 58 47.9	18 45 30 19 16 36	8 06 - 4 48			845009
51875 LVQV + USSR 51894 RIGA+ USSR	1031	9 07	19 59 13.7 19 59 18.4	19 09 30	- 6 18			845009
580g1 POTSOAM, GER. 53659 BRATISLAVA, CZECH.	2729 5702	9 07	20 00 50.8	21 34 09 21 27 00	- 5 35 0 42			834049 634047
56002 POTSOAM. GER.	2729	9 07	21 54 58.4	16 37 48	6 12			#34049 #34049
56003 POTSOAM: GER. 10602 SAN FERNANDU'BN: 5P.	2729 9004	9 07	21 57 18.1 21 59 02.40	17 49 42 20 03 48	0 34 43 16			434013
56004 PÕTSDAM. GER. 33197 TERRE HAUTE. IND.	2729 8127	9 07	21 59 24.6 23 44 41.4	16 52 48	- 8 03	0 15	52 53	834049 845303
51856 CAPEIOWN*P. S.AFR.	5400	9 08	0 34 44.5	6 24 54	-27 12			637007
34154 SACRAMENTO, CAL.	8517	9 08	1 41 54.6	0 48 00		0 00	>1 07	641304 845013
33208 FT. WORTH+ TEX. 332 <b>0</b> 9 <b>Chic</b> ago, Ill.	0139	9 08	1 47 31.4	18 51	88 36 58 55			845042
33210 CHICAGO, ILL. 33198 TERRE HAUTE: TND.	0020 8127	9 08	1 49 48.6 1 51 20.0	19 13	57 50	47 30	59 25	845042 845303
33212 SAN ANIONIO. TEX. 33215 ROCHESTER. N.Y.	8543 0047	9 08	1 52 40 1 53 <b>21.</b> 0	20 55	50 30 30 06			845041 845034
33213 STATE COLLEGE: PA.	0060	9 08	1 53 40.8			96 00	68 30	845303 641042
33181 N. CANTON, OHIO 33214 ROCHESTER: N.Y.	8536	9 08	1 54 46	22 55 30 24 39	20 35			845033
33211 CHICAGO: ILL. 33216 TUCSON: ARTZ.	0020	9 08	1 55 54.2	4. 48	5 40	330 00	26 48	845042
33218 SAN JOSE+ LAL. 34155 SACHAMENTO+ LAL.	8575	9 08	3 40 43.3			0 03	99 36 UU	641304
34156 SACRAMENTO, CAL.	5317	9 08	3 40 31.9	10 51 12	74 35	0 00	34 03	641013
33220 VAN NUYS: GAL. 33221 MILWAUNEE: RTUC.	0113	9 <b>3</b> 8	1 +1 +0.5 1 +1 +1.7	19 17 13	83 24	205 48	17 06	845U43
33219 SAN JOSE: CAL. 33224 CHINA LAKE: GAL.	8573	9 08	3 47 48.2	21 28 07	71 16	0 00	46 15 00	845004 641303
13186 SAN Diture LAL.	0133	9 38	3 48 07.4	20 12	84 48	0 00		845042 845009
51619 MANHATTAN, KAN. 33217 TUCSON, ARIZ.	000	9 48	3 -9 38.4	15 35 00	40 30	1 06	41 12	845303
33222 MILHAUALE: 0154. 33225 DENVER: COLO	8582	9 08	5 50 46.6 5 33 41.3			274 24 32 15 0	0 12 40 00	641304 845303
51620 MANHATTANO KAN. 51821 MANHATTAN, FAN.	8110	9 08	3 52 03.85	48 40 36	40 41 34 50			845009 845009
33223 MILHAUREE . HTSC.	0074	9 08	3 53 14.7			240 12	48 30	641304
52H11 MADISON'PO HISE. 51H22 MANHATTAN, KAN.	5078 8110	9 08	9 53 31.0 9 59 44.8	19 06 48	1- 45 28 03			637007 845009
107.5 REDMUNDIFF GREGIN	5093 6142	9 08 9 08	3 54 88 3 54 07.2	23 30	5 06	114 48	20 48	637009 845302
39. c fi. morīm. Tāx.	0139	9 28	3 54 13.0	21 3- 00	51 42			845013 845002
33.17 SAN JOJE: GAL: 33.12 PORTLAND: GRE:	8573 9076	3 <b>3</b> 9	5 49 62.0	18 57 00	0 د 0- 6د د 1			#45042
13. 10 PORILAND, WRE, 13.28 GAN JOSE, CAL,	0076	9 08	5 51 Co	19 13 00	11 24 38 44			#45042 #45004
33241 PORTLAND. ORE. 55 04 REDMONITE OREGON	0676 5093	9 08 9 <b>0</b> 8	5 51 51.0 5 52 14	19 <b>57</b> 00	6 • 2 8 06			845044 637009
34457 SACRAMENTO. CAL.	8517	9 08	5 52 14.7	19 43 24	48 14	3 0 10		641013
52973 SPORANGI MASH. 34158 BACRAMENTO, CAL.	8142	9 08	5 52 21.0	19 93 06	27 65	209 00	36 48	#45302 641013
10508 FILLA LOLORES'BN.APC	9007	9 08	8 24 44,17	22 19 33	=30 16 =7= 46			434023 434023
34142 SAN JUAN, ARG.	0812	9 C8	8 31 04 9 39 13.1	6 41	-69 36	3 00	-1 00	845002 845302
34898 MUGAMING: JAPAN S4314 VLADIVOSTO: USSR	1013	9 68	11 40 23.0	16 . 2 30	8	• 00	41 00	845005
99342 MGINGCMG GITY TAI HAY 53515 VLABIVGSTOF CUSSH	1013	9 <b>0</b> 8 9 08	11 43 36.6	1 14 21 26 06	60 06 26 12			845042 845009
53546 BARU. USSP 53149 GRENBURGH. USUR	1007	9 38	15 33 44.0	13 10 12 17 16 00	55 48 46 00			845009 845009
53495 TASHLENI - USSR	1075	9 08	15 34 17.4 15 34 19.8	14 13 00	43 36			845009 845009
SBJ.G BIAGINABAGE UTBR BBSC. SUERDLUVSKE UTJR	1068	9 Ce	15 34 30.5	17 16 00	11 00			845009
53519 BAKU+ USSR 53514 SVERDLGVSK4 USSR	1007	9 C8 9 <b>C</b> 8	15 36 Ca.1 15 38 44.1	41 07 30 20 38 36				845009 845009
535:1 STALINABAD, USSR	1068	9 Ju 9 OB	15 39 11.8 15 39 35.85	21 19 18	55 36			845009 434013
10615 NAINI TALIBNI INDIA 53496 TASHKENI USE	9006	9 08	15 39 54.7	21 32 30	38 12			845009
. 166. SHIRAZ'BN. 1846 595. STALINABAD. U.SP	900b	9 <b>0</b> 8 9 <b>C</b> E	15 40 11.59 15 40 25.1	22 30 54	40 48			434013 845009
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\$3524 ICHERNOVIIST . USSP	1062	9 00	17 29 46.1	14 49 00	30 36			845009 845009
53504 NIKOLALV, WUSR 53493 DNEPROPETROVSKI WAS		9 08	17 31 39.6	45 15 48 15 12 24	29 18			845009
53531 ROSTOV. USSR 53538 BILLIST. USSR	1041	9 08 9 08	17 32 00.9 17 33 10.3	14 22 00			,	845009 845009
53525 ICHERNOVIIST USSR 53528 EREVAN USSR	1082	9 08 9 08	17 33 15.3	18 42 30	37 36			845009 845009
53494 DNEPROPLIRGYSE . USS	R 1017	9 08	17 34 16.9	17 30 00	32 00			845009
53195 NIKOLAEV. USSR 53 <b>5</b> 39 EREVAN. USSR	1018	9 08	17 34 18.5 17 34 32.0	18 35 00	48 24			845009 845009
53506 NIKOLALV, USSP 53526 KHARKOV, USSR	1077	9 <b>0</b> 8 9 <b>0</b> 8	17 36 15.9 17 37 04.4	20 32 12				845009 845009
53527 KHARKOV. USSR 53499 TASHKENZ. USSR	1060	9 08	17 37 23-1	20 42 12	12 06			845009 845009
53507 NIKOLALV+ USSR	1075	9 08	17 38 45 - 7	22 19 48	10 30			845009
53500 TASHKENT. USSR 53513 STALINABAO, USSR	1075	9 08	17 39 49.5 18 40 00.1	17 21 00 17 49 18				845 009 845 009
53523 KAZAN, USSR	1020	9 08	17 40 22.8	20 49 00				845009

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53501 TASHKENT+ USSR	1315	9 98	47 44			44 4		46 36						6-2007
53520 ORENBURGHT US R	1061	9 08	17 48.					4 50						84000
56.25 POTSDAM, WEN. 54060 BRATIS, AFA, 1/6/14.	4724	y 05	14 26		A >	. / .		44 47						63444
51572 BRNO. (+ LM.	414-	9 08	19 28			5								137041
5.810 MEUDUN FRANCE	. 145	/ 108	1 29				•			4.1	•	**		03/447
5. 331 MELDUGO FRATO E	. 745	9 46	AY 30						427		- 3			63/103
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Sievi desAscos, FRASCE	. 7. 7	7 JE	17 33 56 V		4 '	. 4	,	15 00	. 74	40	13	1.0	•	034307
DO / BU PUILLAM. ULM.	. 7. /	7 08	. 7 33			. 4 4		. 1 54		• /	, ,	, ,		834007
11237 BERLISE JER.	U 700	9 48	19 34						444	30	ن 🕶 ن	. 0		04242
13.39 BULMUM . JEK.	7747	y J0	19 34			5	7	44 -6		•				84000
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115 -8 SESAMOUND FRATEL	. #27	7 08	19 34						į 🕶 🕏	4 7	62			034337
5:044 MEULLIGO PHATELE	. 715	9 03	14 34						٠.					031131
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THAT MELLON FRANCE	. 715	y 28	. 9 37						147		4 .			031,00
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I DESANGEN. PHANCE	2121	9 65	24 30	13.74					444		. 4	23		034201
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51d+1 Mt & Why FRANCE	715	0.0	-1 31						407					09/107
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. D AN FERNANCUISME SE		9 08		50.13		w		• 3 5		0.5	4 0	1.6		-34013
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13245 DAPTUNG UHIL	8557	9 99		32.						48		06	-	845303
33251 RIANULE VA.	0.11	9 34	1 49			.5	15	61		-	-			845042
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33258 N. 649169 OHIC	8544 1620	9 09	1 33		23	1.2		11 2		00 00	3 1-		k.	845032 84530z
33253 EMICAGO   IGC. 53723 -1515186019, MAUS.	5023	9 39	1 34		2.	21		9			- 17		-	637007
33259 N. CANTON, DHIO	8565	9 09		14.1		31	i w	B 2	5					845033
13251 ROCHESTER N	8564	9 39		19.0		34		3 4						845033
: 509 OLIFANTSFNINEBNIS.AF		9 39		12.29		29		-50 0						434023
519 9 CAPETOWNIE STAFRE	5430	9 09	2 09	41.6	1	29	00	-48 5						637007
SIFE CAPETOWN P. S.AFR.	5.00	9 09		32.6	2	15	6	-54 3						637007
34165 SALFAMENTO, LAL.	8517	9 09		00.3						J.J		49		641304
43.62 TUESUN: APTZ.	0003	9 09		10.6		0.7		60.		4	3 2	00		445303
34 61 LACRAMENTO LAC.	8 <b>517</b> 8579	9 09		52.1	42	02		59 5		100	5.4	00		845302
33243 ALBUUUTRUUL N.M. 33263 TUESUN AHIP.	0003	9 09		53.8						06		00		845303
33265 SAN DIEGO. CAL.	0133	9 09		07.2	23	00		83		7.7				845042
33270 OALLAS TEX	0129	9 09		05.61		02	2	64 4	2					845043
33272 FT. WORTH TEA.	3139	9 09		30.0		17		61 5	•					845013
33264 TUCSON - ARIZ.	L 003	9 09	3 31	00 . 8					6 9	24		12		845303
52974 SPOKANE - MASH.	8142	9 09		22.7				_		24	15	54		845302
33260 No CANTON OHIO	8572	9 09		25.8	1 6	37	0	15 3						845042
33274 VAN NUTS CAL.	0113	9 09		26.2				20	8 0	1 *	16	54		845393
33266 SAN DIEGO, CAL. 33273 FI. WORIN: IEX.	0133 0139	9 09		26.5	٠,	26	0.0	20	2					845013
33271 DALLAS. IEX.	0129	9 09		28.91		22		43 0						845043
51911 CAPEIOHNIP. S.AFR.	5400	9 09		05.8		25		-51 3						637007
52975 SPOKANE: WASH.	8142	9 09		04.9						18	20	42		845302
33275 PORTLAND. ORE.	0076	9 09		18.9	16	31	00	23						845042
33276 CALGARY. CAN.	0452	9 09		40.0		03		2 0	6					845042
55706 REOMONDIP . OREGON	5093	9 49	5 29	00	19	18		13 0	6					637009

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33904 MIYAZAKÎ: JAPAN 33281 TAIPET: BAIWAN	3230 3502	9 39	11 19 21.8	0	58 .	٥٠	81 12 57 24					845002 845042
33899 SENDAT: JAPAN 33234 HSINGCHU CITY:TATWAN		9 09	11 23 38 11 23 57.3	0			38 18	21	75	83 18		845302 845042
33900 KONKO, JAPAN 33903 YATSUSHIRO, JAPAN	0224	9 09	11 24 34.0	23		30	29 48	74	00	22 48		849002 845302
33906 MIYAZAKI, JAPAN 33905 KAGOSHIMA, JAPAN	0230 0218	9 09	11 25 08 11 25 09.6	0	و 1		28 12 28 48					845002 845002
33901 KANATA MACHI: JAPAN 33902 SAPPORG, JAPAN	0220	9 99	11 25 09.8 11 25 12	44	02		27 12					845002 845002
33282 TAIPEL TAINAN 33283 TAIPEL TANNAN	0502	9 09	13 24 48.0		25		69 00 70 54					845042
33235 HSINGGHU CITY+TALMAN 33908 SAPPURU+ JAPAN	0505 0245	9 39	13 22 59.4 13 23 18	19	57		72 00					845094 845094
33907 YOKKAICHI: JAPAN 33909 YAISUSHIRO: JAPAN	02 <b>5</b> 8 0272	4 34	13 23 24 13 23 25	17			23	288	00	46 30		845002 845302
33910 KAGOSHIMA+ JAPAN 53533 TASHKENT+ USSH	2218	9 09	13 23 27.0	1.7	47	٥٠	38 12 45 30					845002 845009
53528 STALINABAU+ USSR 53534 TASHKENT+ USSR	1066	9 39 9 34	15 15 56.7		23		62 30					845009 845009
53579 STALINABAD, USSP 53535 TASHKENT, USSR	1368 1375	9 29	15 10 55.0	2.4	4 I J0	54	52 12 13 48					845009
53036 TASHKENI + USUR 19623 SHIRAZIBN + IRAN	\$ 075 9 00 6	9 09	15 21 25.3		18	00	1 00					#45007 434013
53537 TASHKENT. USUK 53530 STALINABAD. USUR	1075	9 39	17 16 09.0	16	49	00	21 4B 27 12					845009 845009
53538 TASHKENI . 6558 53539 TASHKENI . 6558	1375	9 39	17 19 29 4	10	0	30	9 42					845009
10655 WOOMERARDN. AUSTR.	9 303	9 09	17 54 23.42	1	38		-56 23					434023
33289 ADELATOE. AUSTR.	9976	9 09	17 55 24.6	•	20		-51 30	181		45 QG		845042
33286 ADELATOR, AUSTR. 33288 ADELATOR, AUSTR.	0000	9 09	18 59 48.0	4	50		-56	134		30 30		845941 845941
51965 MEUDUN, FRANCE 51965 MEUDUN, FRANCE	2715	9 09	19 02 39.90					175	14	16 47		637109
51966 MEUDON: FRANCE 53662 BRATISLAVA: CZECH.	2715 5732	9 09	19 04 04.50 19 04 09.0	. 3	13	. 5	15 25			24 40		6371UY 634047
52019 BESANCON, FRANCE 51964 MEUGUN, FRANCE	2 <b>7</b> 27 2715	9 09	19 04 18.07 19 05 08.40					280		20 40 32 00		\$34309 \$37109
52320 BESANCON, FRANCE 51968 MEUDON, FRANCE	2727 2715	9 09	19 05 18.12					279 269		46 54 39 11		634309 637109
52021 BESANGUN: FRANCE 51969 MELDON: FRANCE	2727 2715	9 39	19 00 04.46					277		34 23		634309 637109
52022 BESANCON, FRANCE 51970 MEUDUN, FRANCE	2121	9 04	19 07 04.42					275	24	40 02 62 16		834309 637109
53531 RIGA: USSH 52023 BESANCON: FRANCE	10.0	y 49	19 08 44.99	• >	44	ن د	6 30			•• • 7		845009 834309
56105 SONNEBERG, UER. 55785 ELENBURG, GER.	2730 27 <b>3</b> 2	9 39	19 08 5		00		23 36 19 <b>4</b> 2					834049 834009
52024 BESANCON, FRANCE 51971 MENDON, FRANCE	2727 2715	9 39	19 09 02.72	•			.,	261 218		62 57 72 03		834309 637109
55784 JENA, GER. 52625 BESANGON, FRANCE	2 <b>7</b> 34 2727	9 09	19 09 22 0 19 10 02 52	16	28	24	21 06			74 49		834009 834309
56008 POTSDAM. GER. 51972 MEUDON. FRANCE	2729 2715	9 09 9 09	19 10 05.2 19 10 17.40	17	05	54	15 57			70 29		834049 637109
52026 BESANCON, FRANCE 35090 BOCHUM, GER.	2727	9 09	19 11 18.56	1 4	41	1.3	12 6	153		72 53		834309
51973 MEUDON, FRANCE	2715	9 09	19 11 28.30		•.	12	12 54	135		>9 >2		845002 637109
51974 MEUOON, FRANCE 52027 BESANCON, FRANCE	2715	9 09	19 12 10.10					126		50 01 61 57		637109 834309
55791 SONNEBERG 51975 MEUDON, FRANCE	2730 2715	9 09	19 12 41.8		42		13 00	121	51	<b>4</b> 1 10		<b>834049</b> <b>637109</b>
56009 POTSDAM. GER. 53672 BRNO. GZECH.	2729 2720	9 09	19 13 10.6	19	45 24		5 39 13 14	ŀ	1.2	_	,	834049 737042
52028 BESANCON, FRANCE 53532 RIGA, USSR	2727 1049	9 09	19 13 29.03 19 13 54.5	19	04	06	- 5 00	)	58	<b>4</b> 7 <b>0</b> 3		845009
51976 MEUOON+ FRANCE 52029 BESANCON+ FRANCE	2715 272 <b>7</b>	9 09	19 14 06.70 19 14 23.28						16	32 34 38 27		637109 834309
51977 MEUDONA FRANCE 52030 BESANCONA FRANCE	2715 2727	9 09	19 15 00.40						21	26 29 31 51		637109 834309
52031 BESANCON+ FRANCE 51978 MEUDON+ FRANCE	2727	9 09	19 16 07.33						32	25 45 19 53		834309 637109
53673 BRNO. CZECH. 51979 MEUDON. FRANCE	2720 2715	9 09	19 16 44.2	21	31		- 0 10	1	45	15 51		739041 637109
52032 BESANCON, FRANCE 53663 BRATISLAYA, CZECH.	2727 5702	9 09	19 17 20.66		01	04	- 4 47	115	18	18 58		834309 634947
56010 POTSDAM, GER. 33286 ADELAIDE, AUSTR.	2729	9 09	19 17 49.1		08		-10 50	)	30	21		834049
33287 ADELATDE AUSTR. 33290 ADELATDE, AUSTR.	0400 8528	9 09	20 04 16.4		15		-70 -34 17			••		845042
51829 LAREDO*RADAR. TEX. 51980 MEUDON: FRANCE	4012 2715	9 09	20 48 09.3				-24 10	274	18 00	76 30 0 16 57	0 1910	8 95 307
51981 MEUDON. FRANCE	2715	9 09	23 08 31.30	)				241	25 50	20 50		637109
51982 MEUDON: FRANCE 52033 BESANCON: FRANCE 51983 MEUDON: FRANCE	2715	9 09	21 09 49.46	•				261	36	21 57		637109 834367
51983 MEUDON: FRANCE 52034 BESANCON: FRANCE	2715	9 09	21 10 14.20	)				264	41	28 39 23 58		637109 834309
51984 MEUDON: FRANCE	2715	9 09	21 11 09.80	'				241	52	32 47		437109

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UUS MO SÕAHUUN 52 45 BWSANCUN+ FRANCE	5,84 NØ	9 07	₩8M8 ## ## 14.5%	R. A.	⊕F@8.	259 13	28 15	HANGE BULL POERLB
SURVE STRANGAME END AND		9 39	43.8	68 38 NO	5 36			845049
13. TE BERTING GER.	4747	9 69	41 11 50.2			235 09	18 12	845303 637109
SE TO RESENCENT FRANCE	27.7	4 34	11 4. 48.91			247 08	33 14	834309
* The ETLENDURGE OFF.	. 124	4 74	. 12 >>.0	17 52 42	0 30	1.14		#34009 #45303
STOP BENETAL GENE LAND MEDUCAL PRAME	4715	4 9A	41 13 00.50			229 30	21 06 20 11	637109
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TO ST BESANCON, FRANC.	4004	y 04	4 43 54.40	23 13 30	46 40	236 12	36 00	#34309 434013
18 MISANLIN FRANCE	1.7		1 4 40.74	20 13 30	40 40	225 40	37 23	834309
ANT MELLONS FRANCE	4715	4 34	. 1 14 00 . C			208 40	38 09	637109
45294 SEKETAL JER. TE 39 BESANCON, FRANCE	2 <b>73</b> 0 2727	9 04	21 14 44.8			214 <b>0</b> 0 212 29	37 20	845303 834309
11988 MEULAN FRAMEL	2415	5 34	31 15 03.70			187 01	36 09	637109
5. 747 SONNEBERG 5. 989 MEUDUN: FRAN E	. 7 0 0	4 04	.1 15 04.0	18 55 00	- 5 54			834049
2" ARA MECHOA! LEYA !	. 715	7 01	.1 in U4.80			184 18	32 30	637109
37.94 M1CAUJE BCC.	0023	1 10	1 04 00.0	18 03	63 15			845042
11,05 CHI ADDI ACE. 41,96 EMICACE: (LE.	0020	9 10	1 04 12.0	18 30	62 00 59 30			845042 845042
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13.6 SAN . ALGO. AL.	0113	4 10	3 01 52.6	23 00	87 00	11 48	39 42	845042
HADI MILHAUTER HIS.	0074	9 10	1 03 44.1			284 42	22 00	641304
13174 LENVER, OLU.	858.	y .0	3 05 33.3			0 15 0		845303
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1 468 AN DIEGO CA.	00.0 ▲33	9 13	3 07 43.0	0 08	28 54			845042
134 * MI. #AUKER # #		9 13	3 00 57.3			216 06	56 12	641304
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4 1 ALANTONICA TOXI	2041	y 10	3 10 40 4	. 3 35	-1 10	105 15 (5	. 1 15 00	845042
14108 A HAMINIA	656. 6 <b>5.</b> 7	9 10	5 06 0	18 39 54	30 02	105 15 0	0 3, 15 00	845303 641013
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TEE MIGH HIMAISCYAMA, JAP TIGHE MIT CHA, JAPAN	2.0	9 .0	11 31 34.0	21 05	53 00	110 00	56 00	845002 845302
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534 'B TALLIST5 F	1075	v 10	4 47 41.5	10 00 00	38 36			845009
14475 STALANAHALA ( SR	, C.5.m	9 10	14 48 27	12 51 00	47 24			845009
13476-5TALINABALA LISE 53459-TACHKENTI LUSP	.075	9 10 9 10	14 53 24.6	20 43 36	61 24			845009 845009
1477 STAL THADAUA WITH	4.066	A 10	14 15 4141	2: 36 24	35 54			845009
53460 TACHELTI CO R 19451 TACHELTE US F	1075	9 10 9 10	14 57 47.3	22 57 00	12 48 3 30			84\$009
53-76 EREVANO LO H	10	9 10	16 44 1.00	12 24 30	28 4.			845009
SJUST . REVON. USSK	10.0	9 10	16 46 11.1	12 59 GO	37 18			845009
134 TO AFATER WASH	1044	9 10	16 46 46.5	14 42 54	17 14 31 54			845009 845009
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53454 ROJEU	100.	· 10	16 5: 24.7	20 .6 00	20 18			845009
54958 <b>646</b> VANI UUSE 53462 TA(4K&&**1	1.75	9 10	16 51 44.5	20 46	20 24			845009 845009
53478 STALINADAÜL U. R	1060	9 10	16 53 58.2	16 13 00	29 16			845009
, 624 SMIPAZ'MAN IRAN 59479 TIA INABADA C SE	9.00 168	9 10	16 56 410	23 00 54	50 58			434013
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JOSE WOCMERATURE AUSTRE 19344 AUG AINGE AUSTRE	1 July 3	9 10	17 33 16.38 17 38 28.8	3 \$2 54	-61 49	129 50	26 30	434023 845302
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13125 SULL STUE, AND TR.	6.690	4 13	17 40 43.6	1	• • • •	127 30	28 00	845302
51664 MRRTIPLAVA, CZECH. CARCO BESAN EN. FRANSE	721	9 10	18 41 09.5	12 55 20	14 56	280 02	20 13	634047 834309
13616 BESANCON. FRANCE	2727	9 10	18 42 67.04			279 24	24 13	834309
53611 BELANCON, FRANCE 53612 BESANCON, FRANCE	, 727	9 10 9 10	18 43 12.33			278 04 276 29	31 45 38 25	834309
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33674 BRNO. CZECH. 33683 BESANCON. FRANCE	2727	9 10	18 44 01.0	13 54 40	19 18	212 44	49 40	743042 834309
51990 MEUDON. FRANCE 52040 EL GULEA. ALG.	2715	10	18 45 20.3			251 48 328 06	61 51 19 30	637109 845309
51991 MEUDON, FRANCE 53684 BESANÇON, FRANCE	2715 27 <b>27</b>	9 10	18 46 04.7			231 39	10 20 67 26	637109 834309
53615 BESANCON, FRANCE 51992 MEUDON, FRANCE	2715	9 10	18 47 11.91 18 47 15.4			238 47 179 48	75 33 <b>73 21</b>	434309 437109
56107 SONNEBERG: GER. 52041 EL GULEA: ALG.	273 <b>0</b> 641 <b>1</b>	9 10	18 47 48.4	17 23 06	22 48	343 24	15 94	#34049 #45309
51993 MEUDON FRANCE 53616 BESANCON FRANCE	2 <b>715</b> 2727	9 10	18 48 08.6 18 48 14.32			139 19 161 36	76 46	637109 834309
53481 EVOV. USSR 51994 MEUDONO FRANCE	1031 2715	9 10	18 48 15.1 18 49 62.1	16 07 00	17 30	126 >1	53 28	845009 637109
53617 BESANCON, FRANCE 53472 KIEV, USSR	2727 102 <b>3</b>	9 10	18 49 <b>18.1</b> 2 18 47 36.6	16 35 36	10 42	130 05	63 39	834309 845009
52042 EL GULEA. ALG. 53618 BESANÇON: FRANÇE	6414 2727	9 10	18 20 00.3			4 4 8 1 2 3 1 6	29 34 54 34	845309 834309
55793 SONNEBERG 51995 MEDOONS FRANCE	2730 2715	9 10	18 50 10.4 18 50 14.2	19 42 06	13 06	119 21	41 25	834049 637109
51996 MEUDON + FRANCE 53619 BESANCON + FRANCE	2715 2727	9 10 9 10	18 51 04.3 18 51 19.30			116 38 117 39	36 41 40 46	637109
53486 TCHERNOVITSY - USSR 53482 LVOV - USSR	1062	9 10	18 51 22.4 18 51 48.2	19 02 00	16 30 6 44			845009 845009
53473 KIEV. USSR 52043 EL GULEA. ALG.	1023	9 10	18 51 56.2	16 18 42	4 18	20 36	28 24	8450J9 845309
51997 MEUDON. FRANCE 53465 KIEV. USSR	2715 1070	9 10	18 52 03.3 18 52 05.7	16 .5 00	3 48	114 27	27 10	637109 845009
53620 BESANCON, FRANCE 53466 KIEV. USSR	2 7 2 7 1 0 7 0	9 10	18 52 08.84 18 52 29.4	15 ~1 ~8	2 00	1.5 52	ده دو	634309 845009
53675 BRNC+ CZECH+ 53671 BESANCON+ FRANCE	27 <b>20</b> 27 <b>21</b>	9 10	18 52 39.9 18 53 12.35	20 46 30	3 36	11.	26 <b>2</b> 0	737042 834309
51998 MEUDON . FRANCE	2715	9 10	18 53 43.6			114 21	20 30	637109 845309
53622 BESANCON, FRANCE	6411 2 <b>7</b> 27	9 10	18 5- 09-33			47 5 4 113 22	23 33 20 49	834309
51999 MEUDON, FRANCE 52300 MEUDON, FRANCE	2715 2715	9 10 9 10 9 10	18 54 54.4			112 04 111 08	16 01 11 37	637109 837109
53665 BRATISLAVA: CZECH: 53623 BESANCON: FRANCE	5702 2727	9 10	18 55 19.4	22 64 30	- 6 30	112 43	14 57	834349
53483 LVOV. USSR 52045 EL GULEA, ALG.	1031 6411	9 10	18 35 53.3	. I 32 00	-11 .8	61 >=	18 00	845009
53487 TCHERNOVITSY: USSR 53469 UJGOROD: USSR	1062	9 10 9 10	18 56 58.2	4 .0 57 36	17 30			642009
52046 EL GULLA. ALG. 10619 #DOMERATON: AUSTR.	6411 9003	9 .0 9 10	.8 58 00.3 19 36 49.7.	43 69 .6	-75 .0	14 4	.0 06	04023 630464
35391 BOCHUM: GER. 53624 BESANCON: FRANCE	8599 2727	9 10	19 49 21.2	19 .9 45	.6 57	250 .6	.6.0	845002 834309
52361 MEUOON: FRANCE 53625 BESANCON: FRANCE	2715 2727	9 10 9 10	20 45 35.4 20 45 24.58			275 29 278 23	18	637109 834309
52302 MEUOON, FRANCE 53626 BESANDON, FRANCE	2715 2727	9 10	20 46 07.75			168 49 275 16	22 41 16 21	637109
52,47 EL GULEA. ALG. 55787 POTSDAM	6 = 11 2 729	9 10	20 46 30.0	19 44 85	7 3.	3.5 11	4 13	845309 834049
52003 HEUDON: FRANCE 53627 BESANCON: FRANCE	2715 2727	9 10	43 47 16 2			160 19	28 .6	637104 901866
52004 MEUDON: FRANCE 53628 BESANCON: FRANCE	2715	9 10	20 48 19.30			252 59	2. 11	637109
52048 EL GULEA. ALG. 55788 POISDAM	6411 2729	9 10	20 48 30 G 20 48 33 3	16 38 10		261 22 313 48	25 00	642309
52995 MEDOON FRANCE	2715	9 10	20 49 69.3	10 20 10	4 .8	240 32	36 54	637139
53629 BESANCON FRANCE 53944 FARNHAM, ENGLAND	2 727 8 0 4 8	9 10	20 49 15.68 20 49 33.6	18 08 30	4 42	252 26	32 45	834309 845049
52866 MEUDON, FRANCE 55789 POISOAR	2715	9 10	20 50 00.7	17 29 24	0 02	226 49	39 30	637209 834045
53630 BESANCON, FRANCE 52349 EL GULEA, ALG.	2 7 2 7 6 4 1 3	9 10	20 50 16.57			320 12	36 42 40 12	634309 845309
52007 MEUDON: FRANCE 53631 BESANCON: FRANCE	2715 2 <b>72</b> 7	9 10 9 10	20 51 00.19 20 51 01.64			229 52	40 09 38 38	637109 906468
56108 SOMNEBERG+ GER. 10623 SAN FERMANDOFBN+ 51		9 10	20 11 02.1	17 55 00 20 27 12	0 06 47 01			83 <b>4</b> 049 4340 <b>1</b> 3
53632 BESANCON, FRANCE 52008 MEDOON, FRANCE	2727 27 <b>1</b> 5	9 10 9 10	20 52 <b>35.</b> 62 2 <b>0</b> 52 <b>11.</b> 8			213 <b>5</b> 0 193 19	ۇ1 9 كى ئ <b>7 2</b> كى	834309 637109
52050 EL GULEA, ALG. 52009 MEUDON, FRANCE,	6411 2715	9 10	20 52 30.0 20 53 00.6			337 18 185 06	69 42	845309 6371 <b>0</b> 9
53633 BESANÇON: FRANCE 55794 SONNEBERG	2727 2733	9 10	20 53 01.61	19 11 36	0 t . 8	198 54	37 21	834309 834049
53474 UJGOROD. JSSP 52051 EL GULEA. ALG.	1055	9 10	20 53 56.9	18 32 42	- 8 00	٥٤ 7 ١	14 24	845009 845309
53634 BESANCON: FRANCE 55790 POTSDAM	2727 2729	9 10	20 54 06.99	19 40 48	-14 48	186 50	33 51	834309 834049
52010 MEUDON. FRANCE	2715	9 10	20 54 17.0			172 43	9 18	637109
34170 SACRAMENTO, CAL. 33327 MILWAUREE, WISC.	8517 0074	9 11 9 11	0 33 36.6			0 00 356 48	53 49 73 06	641304 641304
33331 ROCHESTER: N.Y. 33332 ROCHESTER: N.Y.	0047	9 11	0 44 55.2	20 14 54 20 43	37 51 3 <b>3 2</b> 1			845033
33328 MILWAUKEE+ WISC. 52724 WESTFIELD'P+ MASS.	9074 5021	9 11	0 46 19.4			92 24	30 00	845033 641304
10616 OLIFANISFNINABNAS.	AF 9002	9 11	0 50 38 1 25 29.97			ı		637007 434023
10617 OLIFANTSFNIN'BN.S. 34171 SACRAMENTO, CAL.	8517	9 11	1 31 14496			0 00	50 44	434023 641304
33314 SAM DIEGO: CAL. 33315 SAN DIEGO: CAL.	0133	9 11	2 39 42.0	23 10 22 18	87 54 85 54	•		84504 <b>2</b> 845042
33329 MILWAUKEE: WISC. 3 <b>3</b> 333 ALB <b>UQUERQUE</b> : N.M.	8579	9 11	2 39 56.8			0 00	19 00 5 <b>0</b> 00	641304 8453 <b>04</b>

33335 BENVER. COLC.	STA NO 8582	DA1E 9 11	TEME 2 48 37.29	R. A.	wite.	A29MUTH		845303
33330 MILWAUKEG: WISC. 33337 FT. WORTH: TEX.	0139	9 14	4 44 43.7	18 14 20	31 12	274 12		641304 845013
33338 BUCSON: ARB4: 52814 MADISON'P: #836:	5018	9 11	4 46 29.5	20 54 24	1 00	5 36		647303 637007
33252 ROANOKE+ VA. 33336 DENVER+ COLU.	3013 8582	9 14	4 48 45	49 CH A2	17 15	104 30		845042 845303
52978 SPORANE + MASH. 52979 SPORANE + WASH.	8142	9 14 9 14	4 38 50.6			270 00 224 00	22 00	845302 845302
52815 MADISONIP TSC.	5016	9 11	4 46 10.0	17 .7 30	1 30			637007
55708 REDMONDIP - DREGON 52816 MADISONIP - HTSEL	5093 <b>30</b> 78	9 1.	4 46 59	17 48 00	- 1 41			637009 637007
52980 SPORANE - WASH. 34172 SACRAMENTUD LAL.	8 2 4 2	9 11	4 47 0	21 40 20	10 59	164 18		64.013
52817 MADISON'P+ #15C. 34173 SACRAMENTO+ CAL.	5078	9 11	6 46 47.3	21 12 24	9 57			637007
55707 REDMONUTE . WHEGUTE	5093	¥ 11	€ •> Cb	16 00	3 36			63/005
10628 VILLA DOLORES BY ARG	1-11	9 11	7 .7 .6.71	3 13 30 8 43 30	-58 45 -47 45			434023 434023
10630 VILLA DOLORESIEN.AFS 34136 SAN JUAN. ARG.		9 11	9 .5 01.17	23 1: 00	-71 15			434023
10631 VILLA DULOH: 15%, ARG. 33993 ASAMIRANA JAPAN	+011 3.3.	y 1.	1 34 36.4	10 37 42	-54 30			434023
33994 ASAHILAWA - JAPAN	0201	4 1.	1. 414	44 13	00			842302
33996 SAPPURU: JAFAN 33995 ASAHIKAWA: JAPAN	3201	9 1. 9 1.	10 41 37	22 36	- 6 - 7 26			845002 8450 <b>0</b> 3
33339 HSINGCHU GILYATATAAN 33340 HSINGCHU CITYATATHAN		→ 11 → 11	1. 35 45.5 1. 38 23.5	21 2.	73 12			845044
33999 SAPPURC: JAPAN 34000 KAGUSHIMA: JAPAN		9 .1 9 1.	1. 19 47	9 .6	15 00			845002
33998 ASAHIRARA+ APA*	.20.	J 11	5. ce Ce 24	18 53	- 5			045002
53452 EREVANT USSH	.0.8	* .i	.0 23 47.7	.2 92 30	18			247007 247007
53447 KRASNODAR + USSR 53448 KRASNODAR + USSR	1027	7	.0 28 32.07	16 -3 30	38 44			845009
53449 ROSTOV. UBSH	1 1	9 11	16 10 09.7	40 41 UL	.7 30			49604
53490 STALINABAD. USIR 53453 ORENBURUH. USIR		7	.6 33 11.7	15 19 42	- 6 30			045007 045007
53491 STALINABAD. USSR 53488 TACHELNI. USSR	.085	* .1	16 33 24.0	.6 04 14	. 4 30 3 48			04000¥
53492 STALLNABAL STR 19622 SHIPAZ TONA IHAN	.368	٠	16 15 33.5	. 7 9 . 4	37			34,200
53450 ROSTOV - USSH		7 à .	16 35 54.7	47 00	7 - 5			04
53450 ROSTUV. USSH 53489 TAUHKENT. USSH 53666 BRATINEAVA. CZECH.	5732	· · ·	16 16 0	.0 07 00	- U .8			04,000
53484 RIGA: USJA 53676 BRNC: LIECH:	. 7	7	16 24 00	16 03	20 00			345002 137042
56109 SONNEBERG. JER. 53485 RIGA. JS R	. 730	9	18 27 47.	19 33 44	- 5 15			834J47 700C#8
53445 EREVAS. US'R	10:8	V 11	18 10 06.7	16 18 33				342007
53677 BRNC - ZECH. 51912 MELDUN, FRANE	2720	7 i.	18 1. 16.10	))	ود !.	, J + . '		13,,4.
53667 ERATISLAVA - ZECH. 51913 MEJDON, FRANCE	70.	7 1 a	18 33 23		- 8 05	, Je +:		5340 <b>41</b> 531.01
53446 EREVAN. 35-4 35092 BUCHUM. 350.	,318	0 P 1 .	.8 34 00.3					4. U *
35J93 BOCHUM. JER.	55,1		1 60 46 B	.7 .7 .0	. 6 15			.4
53635 BESANCON, FHANTE 53636 BESANCON, FHANTE		, 1.	43.38			.04 3	ئیات ناد د ـ	0343U7
56011 POTSDAM, GEF. 53637 HESANCON, FRANCE	2729	y 1. y 1.	2. 4b.u	.5	₹ 46	.16 00	. ۵ . ۵	034.47
51914 MEJOON FRANCE	. 715		11 43.00				L > 10	03:447
51915 MECDON FRAN E	715	9				.6. 35	. 6 47	631407
56112 1 JANEBERS+ + +++- 53639 BE ANCON+ FHAN E	. 7.7		.U .4 4522 20 25 00.43	.0 .6 .4	5 54	6 40.	.7 50	034 <u>8</u> 47 0343 <b>6</b> 7
51637 BESANCON: FRANCE 51914 MEJDON: FRANCE 52038 BESANCON: FRANCE 31915 MEDDON: FRANCE 31915 MEDDON: FRANCE 56110 'DINNEBERGE' STEN 53639 BESANCON: FRANCE 52052 EL GULEA: ALJ. 53649 BESANCON: FRANCE	. 715 6411	9 14				222 26	33 44 34 45	637.07
			10.01			454 14	32.49	034009
51917 MEUDIUN FRANCE 53945 PARNHAMI ENULAND	1048	7	20 26 48.2	.7 55 4.	5 18	6 54	37.0	031.UF
53641 BESANCON, FRANCE 51918 MELDON, FRANCE	2 7 1 7 2 7 1 5	9 11 7 11	20 27 27.76			440 64	36 45 4. 40	70.500
56012 POTSGAM. GER. 52053 EL GULLA. ALC.	2729	9 11	26 28 00.0	47 .8 16	- 0 40	3.0 -0	. 6 16	645337
51919 MELLON FRAME	, 715	9 11					4. 2.	4 . Jy .
10621 SAN FERNANCE INT. P.	. 7.0	9 11	25 15.46	17 43	÷ 10			14041
51920 MEULON. FRANCE 56111 SONNEBERGE JER.	2715	+ 11 9 71	18. 70	10 +0 1B	- 6 .8	.74	34 30	
52054 Ex JULLA ALU.	5411	9 1 .	30 00.0		0	3.4 46	0. 00	64.30
51921 MELLUN FRANS 53679 BRNO - ZECH	272.	9 11 9 11	16 30 16.20	18 41 00	- B 30		3- 30	738441
51927 MEUDON, FRANCE 51923 MEUDON, FRANCE	2715	9 11	20 31 14.40 20 % 13.70			164 12	31 J8 . 25 1 <b>3</b>	021162 Veiles
56013 PGTSUAM, GEF. 52055 +L GULLA, ALG.	2729 6411	9 11 7 11	20 12 21 6		-18 32		اد د اد	034647
34174 SACRAMENTU: CAL. 33341 TERPE MAUTE: TNU.	8517 8127	9 <b>1</b> 2 9 12	0 10 41.7			U. UU	23 04	342344
19633 ULIFANISFNIH 'BH. 5.A' 19634 OLIFANISFNIH 'EN. 5.A		9 12	1 63 36.66	23 47 30	-74 30 -76 54			434463
33345 BENJER: COLU. 34175 RACRAMENTO, CAL.	258.	9 12	2 25 27.0	- 74	. •	314 45 00		0-2333
33334 ALBUQUERGLE: N.M.	8579		2 19 11.1			0 30	47 30	04230

OBS NO STATTON	STA NO	DATE	SIME -	R. An	DECL.	AZIMUTH	ALTITUUL	RANGE THUEA
33346 CHICAGO. ILL.	0020	9 12	2 19 56 2 21 36.7			282	36 90 45	845302 845303
33342 TERRE HAUTE: IND. 36012 TERRE HAUTE: IND.	8127	9 12	2 23 07.9	16 37 12	30 93	263 30	<b>9</b> 0 <b>4</b> 5	845043
36013 TERRE HAUTE: IND.	8127	9 12	2 23 11.5	18 34 18	30 49			845043
36014 TERRE HAUTE: IND. 36015 TERRE HAUTE: IND.	8127	9 12 9 12	2 23 24.2 2 23 26.6	16 18 48 16 16 24	32 15 32 36			845043 845043
33350 NEW ORLEANS. LA.	0030	9 12	2 23 52			0 03	54 00	845302
33347 CHICAGO: ILL. 33343 TERRE HAUTE: INO.	8127	9 12 9 12	2 24 26.5	19 47	13 30	180	70 00	845042 845302
10625 JUPITER'BN. FLA.	9010	9 12	2 26 51.19	19 95 00	52 29			434013
33348 CHICAGO: ILL: 33349 CHICAGO: ILL:	0020	9 12 9 12	2 27 06 2 27 06	21 34 30	5 05	148 20	36 42	845302 845042
10626 JUPITER'BN+ FLA.	9010	9 12	2 27 07.19	20 15 42	50 14			434013
33312 N. CANTON. OHIO	8544	9 12	2 27 08.5	20 38 30	- 2 51			845042 845013
33351 FT. WORTH+ TEX. 33352 DALLAS+ TEX.	0139	9 12 9 12	2 27 09.4	23 27 00 23 28 36	15 36 16 09			845043
10635 OLIFANTSENTH'BN.S.AF	9002	9 12	3 05 44.60	21 51 00	-55 52			434023
52981 SPOKANE: WASH: 34176 SAGRAMENTO: CAL:	8142 8517	9 12 9 12	4 15 54.1 4 20 55.7	18 56 48	41 17	270 54	22 42	845302
34177 SACRAMENTO, CAL.	8517	9 12	4 21 26.1	10 70 10		180 00		641304
33316 SAN DIEGO. CAL.	0133	9 12	4 21 33.9	17 52	57. 00			641013
34178 SACRAMENTO, GAL. 33353 VAN NUYS, CAL.	8517 0113	9 12 9 12	4 22 10.6 4 22 33.6	20 23 12	29 50	6 54	77 42	845555
33355 CHINA LAKE: CAL:	0098	9 12	4 24 20.5			119 54 0	0 66 00 36	
52982 SPOKANE: WASH. 33317 SAN DIEGO: CAL.		9 12 9 12	4 25 15.5 4 25 19.7	22 11	22 24	157 54	25 30	845302
33354 VAN NUYS + CAL.		9 12	4 25 20.6			110 42	52 48	845303
34179 SACRAMENTO. CAL.		9 12	6 70 20.8	16 15 06	13 43			641013
34180 SACRAMENTO: CAL: 10648 MAUI'BN: HAWAII	8517 9012	9 12 9 12	6 20 51.4 6 21 38.00	0 24 00	12 40 59 00			641013 842013
34181 SACRAMENTO, CAL.	8517	9 12	6 22 31.0	17 16 12	6 33			641013
55709 REDMOND P. UREGON 10640 OLIFARTSFNIN BN. 5. A	5093	9 12 9 12	6 23 18	18 14 اد 07 د	7 12			637009
10641 VILLA DOLORES BN. AR		9 12	6 56 31.53 9 03 41.60	0 45 12	-83 31			434023
34001 KANAYA MACHI. JAPAN	0220	9 12	10 10 55	14 38	75 16			845004
33356 HSINGCHU CITY+TAI#A		9 12 9 12	12 16 51.6	22 59 15 42 18	7 00			845042 845009
		9 12	14 09 45.7	17 47 30	0 54			845009
52074 ABAKAN	1079	9 12	14 10 55.0	18 33	- 8 **			842009
10637 NAINI TAL'BN. INDIA 52075 ABAKAN. USSR	1001	9 12 9 12	14 11 06.42	10 26 30	- 6 00			434013 845009
52056 BAKU. USSR	1007	9 12	16 04 10.6	14 07 30	47 42			845009
52078 BAKU+ USSR 52057 BAKU+ USSR	1007	9 12 9 12	16 04 48.5	17 40 30	53 48			845009
52079 BAKU+ USSR	1007	9 12	16 06 35.7	20 15 12	40 30			845007
52058 BAKU+ USSR	1 307	9 12	16 07 05.5	16 19 30	. 52 54			845009
52080 TASHKENT: USSR 52095 STALINABAD: USSR	1075	9 12	16 07 42.6 16 07 55.2	15 32 00 15 21 30	26 36 33 06			845009
52059 BAKU. USSR	1007	9 12	16 08 01.1	19 39 30	45 54			845009
52096 STALINABAD, USSR	1068	9 12	16 09 54.5	16 58 36	30 54			845009
10642 SHIRAZ*BN+ !RAN 52081 TASHKENT+ USSR	9008 1075	9 12 9 12	16 10 20.21	19 40 30	57 26 5 06			#34013 #45047
52097 STALINABAD. USSR	1068	9 12	16 12 46.4	19 46 30	13 16			845007
52098 STALINABAÐ. USSR 52082 TASHKENT. USSR	1068	9 12	16 13 03.9	20 01 12	- 5 42			845009
52089 TCHERNOVITSY. USSR	1062	9 12	18 01 02.4	14 40	19 12			845009
52087 KIEV+ USSR	1023	9 12	18 01 45.0	1- 44 00	15 06			845009
52091 UJGOROĐ. USSF 52088 KIEV. USSR	1055 1023	9 12 9 12	16 02 13.2 18 03 27.9	15 45 00	23 12 14 18			845009
52090 TCHERNOVITSY, USSR	1062	9 12	18 04 11.2	16 28 30	20 36			845007
52083 RIGA+ USSR 55795 EILENBURG+ GER+	1040 2732	9 17	18 04 52-1 16 05 30-4	17 57 3C 19 50 18	- 1 30 7 18			845009 834009
52392 UJGOROD USSR	1055	9 12	18 06 15.5	19 52 30	6 12			84>007
52084 RIGA. USSR	1040	9 12	18 06 32.0	19 06 00	- 5 2 -			842009
52093 UJGOROD+ US5R 52085 EREVAN+ US5R	1055 1018	9 12 9 12	18 08 03.4 18 08 56.9	21 00 00 17 12 42	- 2 46 17 54			845009 845009
53680 BRNO. CZECH.	2720	9 12	18 09 24.4	21 36	- 4 42			737041
52086 EREVAN+ USSR	2720 1016	9 12	18 10 01.9	18 03 30	12 12			8 45009
52094 UJGOROD+ USSR 10643 SHIRAZ'BN+ IRAN	9008	9 12 9 12	18 10 02.8	21 52 00 16 44 06	-10 48 32 05			845009 434013
33358 BERLIN. GER.	0700	9 12	19 03 50.1			163 30	** **	645303
33359 BERLÎN: GER: 33360 BERLÎN: GER:	0700 0700	9 12	19 04 34.0 19 08 55.2			154 30 130 24	40 00	845303 845303
33361 HANOVER+ GER.	9702	9 12	19 43 02.5			214 13 1		
51924 NEUDON FRANCE	2715	9 12	19 58 45 20			276 50	10 io	637109
51925 MEUDON: FRANCE 51926 MEUDON: FRANCE	2715 2715	9 12 9 12	49 59 02.10 20 00 08.00			275 47 270 42	17 27	637109
51927 MEUDON. FRANCE	2715	9 12	20 61 15.60			263 38	26 31	637109
56014 POTSOAM. GER. 51928 MEUDON. FRANCE	2729 2715	9 12 9 <b>12</b>	20 01 32.0	15 24 00	7 50	254 37	34 00	634049
5211% BESANCON FRANCE	2727	9 12	20 02 29.98			263 34	29 41	6371U7 834309
51929 MEUDON . FRANCE	2715	9 1 2	20 03 17.40			242 47	39 10	637109
52112 BESANCON, FRANCE 55796 EILENBURG, GER.	2727 2732	9 12 9 12	20 03 18.01 20 03 45.7	16 16 18	5 00	256 18	33 57	834309 834009
51930 MEUDON, FRANCE	2715	9 12	20 04 02.00		. 50	231 40	42 01	637109
52113 BESANGON FRANCE	2727	9 12	20 04 13.26			245 26	٥٥ ه و	834309
56015 POSSDAM, GER. 10636 SAN FERNANDO'BN, SP	. 2729 9004	9 12 9 12	20 05 00.4 20 05 08.00	17 15 30 19 46 18	56 02			#34049 #34013
51931 MEUDON+ FRANCE	2715	9 12	20 05 10.00			212 46	43 44	637109
52114 BESANCON, FRANCE 53681 BRNO, CZECH.	2 127 2 720	9 12	20 05 21.91		2 06	228 09	42 26	834309 739041
52115 BESANCON FRANCE	2727	9 12	20 05 54.4	17 14 30	2 06	216 47	43 10	739041 834309
56112 SONNEBERG. GEP.	2730	9 1 2	20 06 09.1	17 56 18	- 1 06			834049
51932 MEUDON+ FRANCE 51933 MEUDON+ FRANCE	2715 2715	9 12 9 12	20 06 11.10			19 <b>5</b> 09 182 13	41 54 38 21	637109 637109
TENDO MEDDON'T I MAILLE	2.17		-0 0, 0, 0, 0, 0				20 41	631107

DUS NO STATION 52116 BESANCON, FRANCE 52117 BESANCON, FRANCE	\$1A NO 2721 2721	9 12 9 12	11ML 20 07 12.09 20 08 09.20	Re A.	rece.	AZEMUTA 197 20 184 14	ALTSTWE -12 16 17 32	KANGE BAULE 834309 834309
56113 SONNEBERG, GER. 53682 BRNO, CZECH. 52118 BESANCON, FRANCE 52119 BESANCON, FRANCE	2730 2720 2727 2727	9 12 9 12 9 14 9 14	20 08 46.2 20 09 05.78 20 10 03.17	19 33 74 18 87 30	-17 30 -10 30	179 50 166 12	92 90 27 92	834049 74304 <u>8</u> 834309 834309
33367 HANOVER, GER. 56016 POTSOAM, GER.	0 <b>10</b> 2 2 <b>1</b> 29	9 12	20 10 33.9	20 19 30	-20 54	170 45 0		834049
33366 BERLIN. GER. 33367 BERLIN. GER.	2100	9 12 9 12	21 04 11.1			241 33	22 30	845303 845303
13368 BERLIN, GER. 33369 BERLIN, GER.	3730	9 1 <b>2</b> 9 12	21 06 07.5			22 <b>2</b> 42 211 30	24 34 24 12	845303 84530 <b>3</b>
34182 SACRAMENTO. CAL.	8 > 1 7	9 12	23 47 42.5			0 06	56 28	641304
33435 F1. BELVOIR: VA. 34183 SACRAMENTO: CAL.	3017	9 13 9 13	1 11 27.8			0 00	22 18 +9 15	845 <b>3</b> 04 64 <b>1</b> 304
33370 DENVER+ COLC. 33372 NEW ORLEANS+ LA.	6>82 3330	9 <b>1</b> 3 9 13	1 58 12.0			0 00	51 00	845302
33374 ROCHESTER+ N.Y. 33344 TERRE HAUSE+ INL.	8954 8117	9 43	2 U. 35.0	17 33	11 19	100	14 45	845033 84530 <b>4</b>
33375 TERRE HAUTE: IN	8127	9 13	2 01 55.2	20 01 12	21 58 21 33			845042 845042
33379 CHATTANOOGA: TENN: 33253 ROANUKE: VA:	J062 0073	9 1 <b>9</b>	. 02 02	.0 12	3 15	1-0	* 6	8453 <b>3&amp;</b> 845042
12638 JUPITER BN. FLA. 52725 WESTFIELD P. MASS.	9010 5021	9 13. 9 13	25 03.74	1 43 42	- 9 42			434013 63700 <b>7</b>
10639 JUPITER ON FLA. 10632 CLIFANTSFNIN BN. 5.A	3013	9 13	2 51 47.33	21 31 54	40 12			434013
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52983 SPOKANC: MADH. 52984 SPOKANC: MADH. 54184 SACKAMENTO: CAC. 44185 SACKAMENTO: CAC. 54186 SACKAMENTO: CAC. 33388 SAC STEED: CAC.	5517	¥ . 3	3 57 10.1	17 45 14	48 43			644443
14185 SACRAMENTO, CAL.	8517	y 4.3	3 56 18.5	.0 00 4.	35 26	J JU	87 JL	641304
33382 VAN NUTS - CALL	3113	4 13	3 59 16.6 3 59 22.5	. 6 54	57 33	٠ ٤٠	73 UB	44)(44 60664
33383 CHINA LAFE. AL. 33384 SAN ANTONIO. TEA.	J098 8 <b>9 43</b>	9 13	4 U1 25.1 4 02 58	17 57	29 35	47 04 4		842044
52985 SPORANCE MASH. 33382 SAN DIRUGH CAL.	ا المانية الفانية	9 13	- 03 25.5 - 03 27.7	2. 38	13 10	149 30	19 00	845302 845042
33371 DENVER: LUCE. 34.87 SACHAMENTU: CAL.	858. dt.7	9 . 3	+ U3 28.8 5 59 14.0	.6 20 46	ەد ۷	107 00	44 36	6 + 5 2 U 2
10547 MAULISNI HABALL 34188 SACRAMENTO, CALI	901. 8517	# ±3	0 31 16.10	0 49 4	36 3L - 50			43401 <b>3</b> 64.013
33385 VAN NUTS. CAL. 34189 SACRAMENTO, CAL.	3113 3517	y 13	6 01 41.7	18 13 44	- 3 .0	259 36	. 0	8453U3 841013
34002 ASAHIKAWA: JAPAN 34003 ASAHIKAWA: JAPAN	0201 0201	9 13	9 55 36.2	02 30	- 1 06 - 8	•		845004
34004 SAPPURO, JAPAN 33386 PASAT CITT, PH.15.	245	7 13	9 57 59 11 5, 08	22 -7	- 9	4		845002
14005 YATSUSHIRU: JAPAN 1407 SAPPURU: JAPAN	0272	, 13 , 13	11 54 27	18 14	- 3	¥0 00	00 44	845302 845002
34008 FAGOSHIMA: JAPAN	0245	9 13	.3 53 57.3	10 54 46	10 70			0+5001
52.72 EREVAN+ USSR 52.73 EREVAN+ USSR	1318	9 ± 3	.5 43 34.0	.3 37 54 17 17 00	58 30			84500Y
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13646 NAINI TALISH INJIA 52565 TASHKENI USSR	1075	9 13 9 13	15 50 46 2	20 19 30	39 26 - 0 48			434013 845007
52 60 STALINABAD, USSR 12649 SHIPAZIEN, IPAN	<b>∆</b> 058 ≠038	· 15	.5 50 51.5	43 38 44	18 10			845009 434013
52366 TASHKENT, USSR 52069 LVOV, USSR	1075	9 13	15 52 17.7	15 35 30	- 9 54 20 18			845009 845009
52070 EVUV+ UBSR 52061 EPEVAR+ USSF	1031 1010	9 13	17 44 43.9	.0 04 00	12 4.		•	845007
52471 LVOV+ USUR 52362 EREVAN+ USSF	1018 1018	v 13	17 44 37.2	.7 37 35	4 36			845009
	9008 : 075	7 43 7 13	17 48 15.31		34 40			434C13 845069
52J58 TASHEENI - USSR 10644 WOOMERA'BN - AUSTR	1075	9 13 9 13	17 50 30.6	:7 46 30				845009
53668 BRATISLAVA: CZŁCH.	5706	9 13	19 39 49.7	8 .9 18 15 07 54	12 00			43 <b>4</b> 023 634047
56-17 POTSOAM+ GER. 55197 EILENBURG+ UER.	2129	9 . 3	19 43 00.2 19 43 J1.5	.5 45 36	0 12			834049
53946 FARNHAM, ENGLAND 33387 BERLIN, GER.	3700	4 13	19 41 32.0 19 41 51.8	.7 58 36	5 36	234 24	.4 >4	845049 645205
33388 BERLIN+ GEP. 56114 SONNEBERG+ GER.	2730	9 13	19 42 44.0	17 51 48	- 1 16	225 .4	. 5 54	845903 834049
53683 BRNG. CZECH. 33989 BERLIN. GER.	2 120 0 700	9 13 9 13	19 43 53.3	.7 35 30	- 0 54	243 42	44 44	737041 645303
56018 POISOAM. JEH. 53390 BERLIN: GER.	2779	9 13	19 44 56.2	. 0 44 18	-10 20	198 24	23 44	834049
53684 BRNO. CZECH. 56115 SONNEBERG. ULR.	2720	9 13	19 45 42.9	18 39 32 19 37 24		-4		734041 834049
55198 EILENBURG: GER. 53669 BRATISLAVA: CZECH.	2 732 5 102	9 13	19 41 06.9	20 23 00	-20 36			834009
56-19 POISOAM. UER.	2 729	9 13	19 48 57.4	_0 38 06	. • 23 35			034047
13645 SAN FERNANCE BN. JA 34190 SACRAMENTO: CAL.	8517	9 13	21 46 33.50			0 00	>0 U>	#240F3
13391 ROCHESTER N.Y.	8 554	9 13	23 34 46,4	17 🄰	\$2 00			84503
33377 TERRE HAUTE: IND. 34191 SACRAMENTO, CAL.	8127	9 14	1 28 22.2			3 00	48 3b	845302 641304
33378 TERRE HAUTE: 1NO. 33393 FT. WOPTH: TEX.	8127 0139	9 14 9 14	1 29 53.9 1 33 41.79	13 25 30	71 06		59 30	845303 845013
33395 MILWAUKEE+ HIŞC+	0074	9 14	1 33 50.2			480 48	38 24	641304

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33405 DERVER. COLO. 33407 WICHIJA. KAN.	8582 0028	9 14	1 35 06.5	18 37 07	60 45	57 24	42 18	845303 845043
33408 WICHITA. KAN.	0028	9 14	1 35 31.4	10 30 51	40 42	*** **		845043
33396 MILWAUKEE, WISC. 33402 CHICAGO, ILL.	0074 0020	9 14	1 37 31			217 06	67 54 71 00	845302
33373 NEW ORLEAMS: LA. 33409 BILOXI: MISS.	0030	9 14	1 37 34 1 37 54			0 00	47 30 30 <b>1</b> 2	845304 845304
33403 CHICAGO: ILL. 33397 MILWAUKEE: WISC.	0020	9 14	1 39 25			156 30	57 00 35 06	845302 641304
10651 JUPITER'BN, FLA.	9010	9 14	1 43 12.99	22 11 48	31 21			434013
33410 STATE COLLEGE: PA: 10652 JUPITER'8N: FLA:	9010	9 14	1 43 17.0	22 19 36	28 20	162 00	35 36	845303 434013
33392 ROCHESTER: N.Y. 33394 FT. WORTH: TEX.	8564 0137	9 14	1 43 3 <b>1</b> 1 44 30.59	21 01 23 32 18	-16 54 3 54			845033 845013
10653 OLIFANTSFNTN'BN.5.AF	9002 8142	9 14	2 23 35.02	.0 24 00	-83 07	258 24	36 06	434023 845304
33398 MILWAUKEE+ WISG. 34192 SACRAMENTO, CAL.	0074 8517	9 14	3 33 15.1 3 35 0 <b>7.</b> 8			202 54	7 00	64 4404
33411 SAN DIEGO. CAL.	0133	9 14	3 35 11.2	16 47	63 36	3 00	82 48	845042
34193 SACRAMENTO, CAL. 33399 MILWAUKEE: WISC.	8517 0074	9 14	3 35 24.4 3 35 54.4	19 19 42	43 11	265 14	15 18	641013
33416 YAN NUYS. CAL. 33417 CHINA LAKE. CAL.	0113	9 14	3 36 09.9 3 36 21.0			3 00 00	66 00	845303 641303
33412 SAN DIEGO: CAL. 33400 MILWAUKEE: WISC.	0133	9 14	3 37 54.4 3 39 32.7	21 05	43 48	242 06	21 12	842U44 641304
52818 MADISON'P. WISC.	5078	9 34	3 41 10.9	10 32 30	-12 30	141 00	•• ••	637007
52819 MADISON'P+ WISG. 52987 SPOKANE+ WASH.	5078 8142	9 14	3 41 11.0 3 41 31.6	. 0 32 30	<b>≠12</b> 30	142 42	15 12	637007 645302
33413 SAN DIEGO. CAL. 33406 DENVER: COLU.	0133 858 <b>2</b>	9 14	3 41 38.9 3 41 42.0	22 57	6 36	170 00	37 45 0	845042
10658 MAUI'BN. HAWAII 34194 SACRAMENTO, CAL.	9012	9 14	5 35 27.70	0 07 24	60 10			434013 641013
33418 SACRAMENTO. CAL.	8517 8517	9 1 -	5 39 39.9	18 34 .4	8 58. - 7 27			641013
33422 VAN NUYS, CAL. 33423 OUEZON CITYIBIPH.IS	011 <b>3</b> 85 <b>6</b> 3	9 14	5 39 49.1 .1 29 23			246 18 8	3 - 00 16	845303 845304
33427 PASAY CTTY: PH.TS: 33424 OUEZON GITETH:PH.IS	0501 * 8563	9 14	11 30 09			ان د 3 نا د د	17 30	8453UZ 8453UZ
33428 QUEZON LITY: PH-15.	0500	9 14	11 30 20			4.4	T a	845302
33429 QUEZON CITY: PH.15. 33425 QUEZON CITY:8:PH.15		9 14	11 31 30			4.5	. 8 . 9 . 3 U	845302 845302
33431 TAIPEI: TAIWAN 34010 KANAYA MACHI: JAPAN	0220	9 14	11 31 36	۵د عا دا 21 ما	49 06			#45042 #45002
33430 OUEZON CITY. PH.45. 33432 TAIPEL. FAIWAN	0500	9 14	11 32 16 .1 33 08.1	0د 2د <b>د.</b>	33 O 6	ن و	40	8+5042
33426 QUEZON CITY B.PH.15	. 8553	9 . 4	11 33 35			4.3	4.0	842302
10659 TOKYO'BN. JAPAN 34011 YATSUSHIRO. JAPAN	9005	9 14	11 34 11.00 11 34 15	2 U 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	- 3 05	00 616	24 46	610060 200608
34012 KAGOSHIMA. JAPAN 33357 HSINGCHU GITY.TAIWA	021d N 0>05	9 14	11 34 41	.6 40	32			845002 845042
53559 STALINABAD, USSP 53542 TASHKENT, USSR	1068	9 14	15 21 .6.7	. 4 16 30	35 <b>4.</b> 29 30			645009
10660 SHIRAZ BN. IRAN	1 0 7 5 9 0 0 6	9 14	15 22 23.5	.5 .5 00 8 00	66 37			#45009 #34013
53560 STALINABAD: USSR 53543 TASHKENT: USSR	1066	9 14	15 25 15.4 15 26 12.0	17 59 42	30 36 1. 36			845009
53561 STALINABAD: USSP 53562 STALINABAD: USSR	1068	9 14	15 20 49.2	.9 38 00 19 38 54	17 54			# 45009   8 45009
53544 TASHKENT, USSR 10657 NAINI TAL'UN, INDIA	1075	9 14	15 26 29.3	20 42 30 19 52 48	- 4 00			845009
53545 TASHKENT: WOSP	1075	9 14	15 30 . 7.3	4. 37. 00	-14 14			434013 845009
53553 KTEV+ USSR 53557 LVGV+ USSR	1023	9 14	17 15 20.7	15 11 06	16 06 21 36		,	845009 845009
53549 NIKOLALV. USSR 53555 TCHERNOVITST: USSR	1077	9 14	17 18 35.9	.5 .5 .4	21 00			845004
53540 EREVAN. USan	1018	9 14	17 20 07.5	14 43 00	27 06			845009
53558 LVOV+ USSR 53541 EREVAN+ USSR	1031 1018	9 14 9 14	17 20 29	18 35 00 15 02 18	10 12 26 42			845009
52152 UJGOROĐ. USSP 53550 NIKOLAEV. USSR	1055	9 14	17 21 45.6 17 21 56.7	19 52 30	10 18			845007
53554 KIEY+ USSR 53551 NIKOLALY+ USSR	1023	9 14	17 22 30.5	20 20 30 29 30 00	- 4 36			84500 Y
53556 ICHERNOVIIST . USSR	1062	9 14	17 25 33.4	21 22 30	- 9 54			845009
53552 KIEV+ USSR 10661 SHIRAZ*BN+ IPAN	1 570 9008	9 14	17 25 34.0 17 27 08.09	20 49 42 21 58 18	-13 24 29 46			845009 434013
53546 TASHKENTI USAR 53547 TASHKENTI NESP	1075 1075	9 14	17 27 10.6 17 28 26.9	17 23 30 17 57 00	- 4 54			845009
53548 TASHKENT. WSSP	1075	9 14	17 28 37.7 19 14 52.0	18 01 30		177 16	17.46	845009
52311 MEUDON: FRANCE 56116 SONNEBERG: GER.	2 P15 2 730	9 14 9 14	19 17 18.4	15 35 30		277 19	27 48	637109 634049
56320 POTSDAM: GER. 52012 MEUDON: FRANCE	2729 2715	9 14	19 17 39.7 19 18 08.5	15 54 54	5 24	.29 29	46 00	637109
53685 BRNO. CZECH. 52013 MEUDON. FRANCE	2720 2715	9 14	19 18 24.5	.5 45 36	8 18	211 42	47 38	739041 637109
52-14 MEUDUN . FRANCE	2715	9 14	19 20 02.5			192 37	45 30	637109
55799 EILENBURG: GER. 56921 POTSDAM: GER.	2732 2 <b>72</b> 9	9 14 9 14	19 20 12.1 19 21 08.0	17 47 30 18 03 48				834009 834049
52915 MEUDON, FRANCE 52916 MEUDON, FRANCE	2715 2715	9 14	19 21 14.6			174 07 165 28	40 01 35 20	637109 637109
55800 EILENBURG. GER.	2732	9 14	19 22 26.4	18 54 54	-10 48			834009
52017 MEUDON, FRANCE 56117 SONNEBERG, GER.	2715 2730	9 14	19 23 00.4 19 24 06.0	19 55 42	-15 48	157 26	29 30	637109 834049
52018 MEUDON' FRANCE' 53686 BRNO CZECH.	2715 2720	9 14 9 14	19 24 12.0 19 24 16.3	19 23 30		150 49	22 34	637109 7370 <del>4</del> 2
53563 LYOY: USSR 52153 UJGOROU: USSR	1031 1 <b>055</b>	9 14	19 24 38.4. 19 2 <b>5 1</b> 8.5	18 50 00				84200Y
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	53565	STATION LVON. USER POISDAM. GER. LVOV. USUR SAN FERNANUUTEN. SP.	SIA NO 1031 2729 1031 9004	DAIL 9 14 9 14 9 14	78ME 19 20 0006 19 20 55.4 19 27 04.4 41 24 50.00	R. A. 19 33 30 40 34 48 45 5c 33 46 48 46	PECL. -21 54 -25 45 -25 00 0 05	HTUHESA	ALITIUUL	RANGE BNDEA 845009 834049 845009 434018
	93-19	SACRAMENTO, CAL.	8317	4 14	43 34 68.4			3 03	59 51	641304
30-19   37-18   SHEE SHEELER   30-10   10-10						A. 36 15	<b>41 48</b>	<b>J</b> U0	48 10	
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22-90   2504 About 25 cm.   25										
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Stime   Application	2.165	EREVANT US W								
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52123 LL GULLA- ALG. 5411 9 15 18 52 30.0 320 00 22 48 00.305 55804 POISDAM 2729 9 15 18 52 46.0 44 40 12 9 22 500 27 00 04.30545 55805 POISDAM 2729 9 15 48 34 14.1 15 47 00 7 00 325 00 27 00 04.30545 55805 POISDAM 2729 9 15 48 34 14.1 15 47 00 7 00 325 00 27 00 04.30545 55805 POISDAM 2729 9 15 18 34 30.0 32 00 325 00 325 00 04.30545 52128 EL GULLA- ALG. 6411 9 15 18 34 30.0 32 00 4 12 04.0 32 04 04.0 32 04.0 3				9 15		14 02 12	10 64			834047
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52198 RIGA+ USSR 1040 9 15 18 54 57.0 15 92 00 - 1 18 8 45009 52193 UUGOROU+ USSR 1055 9 10 18 55 17.4 15 30 6 48 845009 55800 POISCAM 2729 9 15 18 55 17.4 16 05 30 4 12 340 18 45049 52120 EL GULLA+ Ato. 6411 9 15 18 55 30.0 340 45 30 5 18 845002 845002 85909 9 15 18 50 11.5 16 39 12 1 29 845002 85909 50118 SONNLEBERG 6ER. 2730 9 15 18 56 11.5 16 39 12 1 29 834049 52127 EL GULLA+ ALG. 6411 9 15 18 56 30.0 355 24 47 36 64500	52125	EL GULLA. ALL.	6411	9 15	18 34 30.0				ەد دۇ	
55800 POISDAM 242V 9 19 18 55 10.3 4 32 834049 52120 EL GULLA+ Atu. 6411 9 15 18 55 30.3 4 4 32 34 34 34 34 34 34 34 34 34 34 34 34 34										845307
52126 EL GULLA. ALG. 6411 9 15 18 55 30.0 340 18 43 00 84330 3334 BOCHUM. GLR. day9 9 15 18 55 35.0 46 43 36 5 18 845002 555807 POISSOM 2725 9 15 18 56 14.0 16 39 12 1 49 8340049 56118 SONNEBLARG. GLR. 2736 9 15 18 56 14.1 16 43 06 5 00 834049 52127 EL GULLA. ALG. 6411 9 15 18 56 30.0 354 24 47 36 645309	55806	POISDAM								
55807 POISOM 2779 9 15 18 56 11.5 16 39 12 1 29 834049 56118 SONNEBERG. GER. 2730 9 15 16 56 19., 16 43 06 5 00 834049 52127 EL GULEA. ALG. 6411 9 15 18 56 30.0 354 24 47 36 645309	52126	EL GULLA. Att.	6411	9 15	18 55 30.0			343 10	-3 00	843368
56118 SONNEBERG. GER. 2730 9 15 18 56 19., 16 43 06 5 00 834049 52127 EL GULEA. ALG. 6411 9 15 18 56 30.0 354 24 47 36 845309										
12100 0101	56118	SONNEBLAG. GER.	2.730	9 15	18 56 19					834049
						16 40 30	- 5 30		47 36	845309

OBS NO STATEGN 35095 BOCHUM+ GERG	\$TA NO	9 15	TIML	4. A. 47 45 45	1 06	AZEMÇTIS	ACTITUDE O	CARUE BRUGA 040UZ
55808 POTSOAM 52128 EL GULEA: ALI.	2729 641¶	9 15 9 15	18 57 00.4	17 45 46	- 4 50	13 36	54 36	845309
33363 HANOVER. GER.	0702	9 15	18 57 41.5			203 58 1	31 48 14	845102
33455 BERLIN: GER: 52194 UJGOROD: USSR	3700 1055	9 15	18 37 33.8 18 58 16.8	17 21 30	- 4 24	223 00	28 24	845303 845009
33456 BERLIN. UER.	0700	9 15	18 38 19.1			.16 24	20 40	845364
55801 EILENBURG+ GER. 55809 POTSDAM	. 7.9	9 15	18 58 21.7	81 30 81				834JQ # 834J49
52200 RIGA+ USSK	1040	9 15	18 58 29.1	17 42 00				845007
52129 EL GULLA: ALG.	6~11 1031	9 15 9 15	18 58 30.0 18 58 47.3	17 US OU	- 3 30	<b>3</b> 6 36	99 18	842000
52154 LVOV+ USSR 33457 BERLIN+ ULR+	0700	9 15	16 59 11.0	2. 03 00	- 3 30	407 06	28 U6	842009
55802 EILENBURG. GER.	2732	9 15	18 59 16.7		- 9 12			834001
55810 POTSDAM 52130 EL GULLA: ALG:	2729	9 15	18 59 20.4 18 59 30.0	18 38 54	-10 -9	59 42	49 24	834U4Y 84230Y
52155 LVOV+ US R	1031	9 15	19 00 12.0	17 56 00	0 00			842009
52195 UJGOROD. USSR 56119 SONNEBERG. GER.	1355 _730	9 15	19 00 49.1	18 52 00	-15 24			845UU7 824047
55811 POTSDAM	. 724	9 15	19 02 34.3	20 45 30				4444
33364 HANOVER. UEF. 55812 POTSDAM	2124	9 15	19 03 18 1	20 54 00	-43 43	AJO DO A	44 49 48	24047 24519
55813 POTSDAM	2729	1 15	19 64 49.0	.1 .4 96	-47 24			834047
10665 WOOMERA DN. AUSTR. 33458 QUEZUN CITT. PH.IS.	9003 6000	9 15	19 43 12.84 21 08 35	24 43 48	-U3 26	5.0	in 45	43401
34198 SACRAMENTO+ CAL.	6517	9 15	22 36 14.1			0 00	61 50	041304
34199 SACRAMENTO: CAL.	8517	9 16	0 43 14.7			ی دن	41 49	04.204
33459 CHICAGO. ILL.	0020	9 16	0 51 13			112 00 0	U 70 UU CU	045902
33442 TERRE HAUTE . THO. 33460 CHICAGO . TEL.	8127	9 16 9 16	U 53 44.8			186	87 15 0 55 65 69	045565
52727 WESTFILLUIP: MASS.	> 021	9 15	0 59 26	ەد دىلى	-22 id	0 00 0	J J 00 0 <b>0</b>	545 <u>5</u> 02 \$0 <b>0\$</b> 68
10667 JUPITER SON FLA.	4010 4010	9 16	0 59 32.06	20 05 00	8 35			434013
10664 OLIFANTSENTATION - FLAT		9 16	0 59 40.06	20 23 04	-17 50			434U43 <b>6</b> 3504C4
33462 SAN DIEGO, CAL.	6132	9 16	2 46 21.1	44 TC	5€ 48			042042
33467 MIEWAUREE+ #ISC+ 34200 SACRAMENTO+ LAL+	307 <del>4</del> 8517	9 16 9 16	2 47 57.3			.83	9 30 75 54	041304
33471 VAN NUTSI CAL.	0.13	7 16	2 49 29.3			J 49 4	0 00 00	ويوديه
33472 CHINA LAFE. CAL. 33468 MILMAUFEEF #15C.	J098	9 16	2 50 30.0			. 65 54	1 30	64,303 64,3 <b>6</b> 4
33473 PULBLA. YLI.	1100	+ 10	2 50 35.1	. 3 30,00	57.6		• • • • • • • • • • • • • • • • • • • •	042043
33469 MILEAUELLE #15 . 33463 SAN DIEGO: CAL.	0074 0133	4 .6	. 52 1. 5	t	. 8 .	401 40	. U . J	64,304 840042
33475 DENVER+ COLC.	2384	7 16	2 5. 44.5		. 0 16	. U.S. 15 U		ربور <del>د</del> ه درور
33470 MILMAUREL . HI	3074	9 16	5. 48.5			440 40	2000	042304
33474 PUEBLA: MER. 33476 FT. WORTH: TEX.	2930 313 <b>9</b>	7 .6	2 55 19.6	.8 .8 +6 18 55 JO	دا ب			0.40 C F C F C F C F C F C F C F C F C F C
33461 CHICAGO, ILL.	2020	9 16	2 57 42					842304
33464 SAN OIEGG . A	0133	9.6	2 57 -7.7		- 4 4.			547U42
34201 SACHAMENTO. CALL	5017	, . 5	4 53 20.7	. ್ . ೨ . ೮	>.			64.0.3
34202 SACRAMENTO. CAU. 33452 SAN JUAN. ARU.	5⊃17 3 <b>81</b> 4	9.6	9 38 04.4	7 . 6 JU	-71 .6			54.0.3 545.00.
34U26 YAKKALCHI: JAPAN	0.50	9 16	10 43 17	4 C U 4	37 05			84,302
10708 TORYUTEN, JAPAN 34017 WITARA, JAPAN	9005	y 16	10 44 410	. " > / 46	-1 -5		C	* 434013 042304
34018 MITAKA JAPAN	3229	1 16	10 47 14.1			10 10	0. 4.	84236.
34019 MITAKA: JAKAN 34023 MUSASHINU: JAPAN	02.4	9 16	10 48 33.5			.60 <b>€</b> 6	60 00	040302
34-21 MITAKA: JAPAN	6224	. 10	10 10 36			.30 48	3. 4.	04)). 
34022 ASAHIKAMA DAFAN 34028 YAKKATOMI DAPAN	0.31	9 10	.0 50 41.0	40	4.4			٠٠٠٠٠
52177 STALINARRUE USSH	1060	1 15	1. 46 34	ړد د په ⊷.	91 A8	.55	ن⊷ د ړ.	84230L 842007
52162 TASHRENI - USER	1075	9 16	14 36 31.6	.> 00	33 36			842009
52178 STALINADAL . 0.54 52163 TASHRINT . 1514	1058	9 16	14 38 50.7	. 1 47 . 4	36 <b>1.</b> 7 Je			84500y
52179 STALIMADAU. USSH	:363	7 16	14 41 46.3	.0 21 54	66			8.5007
10682 NAINI IAL****   NUIA 52164 TASHKENI - USSR 52159 TTRIBIS - USSR	1075	, 10	14 45 11.4	.7	-15 31			434013
		. 5	16 34 32.0	44 41 46	• 5 3 5			840009
52170 DNEPROPETHUVSKI Jas 52168 KRASNOJAHA GASH	1017	9 16	16 35 .7					845009 845009
62176 EDEVAN	1014	N 1 A	16 37 15.4	10 4/ 6.	24 45		•	845777
52169 KRASNODAR+ USSR 52171 ONEPROPETHOUSE+ USS	1027	9 16	16 38 42.0		44			845009
52176 EREVAN 51F	1018	1 16	16 38 44.5 16 39 06.4	18 38 48	- 6 34			845009 845009
57163 ROSTOV + 335R	1041	1 16	16 39 1	. 4 - 1 0 -	2 33			845047
52161 ROSTOV. LINE 52165 TASHLENT. U.S.M.	1041	9 16 9 16	16 39 39.9 16 40 2 <b>3</b> .8		1 4 4 5			84200, 84200,
52180 STALINABAL - USH	1068	9.0	16 41 43	40 : 44	2 00			845001
10690 SHIRAZ BA 1FAR 52166 TASHKENI - USSP		9 16 9 16	15 41 20.54					434U.
52166 TASHKENI - USSP 52167 TASHKENI - USSR	. 0.74	9 16	16 44 51.7	48 45 90	-2. 4.			845007
16673 WOOMERANDNE AUGTR. 56023 POTSDAMN GER.	9003 2 <b>72</b> 9	9 16 9 16	18 18 21	4 40 06				43402 <b>3</b> 83404 <b>3</b>
52135 LL GULEA. ALL.	6411	9 16	18 32 30.0	16 30	40 01	441 12	دو در	845305
33365 HANGVER. OFF.	0202	9 16	18 32 42.4			. 19 16 1	1 61 66 4	8-5.0.
52136 EL GULLA: ALG. 52137 EL GULLA: ALG.	6411 6411		18 33 30.3			11 00		842209 8453 <b>0</b> 9
56924 POTSDAM. GLA.	2729	9 16	18 35 04.1	11 50 30				034047
55814 EILENBURG GER. 52138 EL GULEA ALG.	2732 5411	9 16 9 16	18 35 17•7 18 35 30•0	17 57 06	- 5 06		50 18	834009 845309
52139 EL GULLA. ALG.	6411	9 16	18 30 30.0			25 30	4/66	042307
35813 EILENBURG. GEN.	2732	9 10	18 36 33.7	18 44 00	-10 00			834009

		21.25	*****		0.560		AS TITLINE DANGE	L INDER
OBS MO STATION 52140 EL GULEA: ALG:	57A NO 6411	DATE 9 16	TIME 18 37 30.0	Ro Am	DECL	AZIMUTIF 68 54	ALTITUDE RANGE	845309
55816 ETLENBURG. GER.	2732	9 16	18 37 36.0	19 19 36	-25 06	79 48	95 18	845309
52141 EL GULEA: ALG. 52142 EL GULEA: ALG.	6411	9 16	18 38 30.0 18 39 30.0			87 06	29 06	845309
52172 UJGOROD. USSR	1055	9 16	18 39 33.6	19 16 00	-10 40			845009
52173 EREVAN, USSR 52143 EL GULEA, ALG.	1018	9 16	18.39 43.1 18 40 30.0	16 51 42	- 4 12	92 36	23 54	845009 845309
56025 POTSDAM. GER.	2729	9 16	18 41 04.2	20 43 54	-25 16			834049
52144 EL GULEA, ALG. 52174 EREVAN, USSR	1018	9 16 9 16	18 41 30.0	17 38 18	-12 42	96 42	18 54	845309 845009
52145 EL GULEA. ALG.	6411	9 16	18 42 30.0			100 00	14 18	845309
33478 QUEZON CITY. PH.15. 10674 WOOMERA!BN. AUSTR.	9003	9 16 9 16	18 43 21 19 26 57.72	9 28 24	-73 11	12	14	845302 434023
52146 HEUDON+ FRANCE	2715	9 16	20 33 49.60	, 10 14		246 26	17 12	637109
52147 MEUDON+ FRANCE 52148 MEUDON+ FRANCE	2715 2715	9 16 9 16	20 34 14.60			242 57 236 25	17 44 18 29	637109 637109
52149 MEUDON+ FRANCE	2715	9 16	20 36 05 30			226 45	18 42	637109
52150 MEUDON, FRANCE	2715	9 16 9 16	20 37 29.30	18 24 24	4 43	214 39	17 38	637109 434013
10678 SAN FERNANDO'BN. SP. 52151 MEUDON. FRANCE	2715	9 16	20 37 31.10	18 26 24	5 52	209 15	16 42	637109
33479 QUEZON CITY+ PH.IS.	0500	9 16	20 45 10			325 329	21	845302
33480 OUEZON CITY+ PH-IS+ 33481 QUEZON CITY+ PH-IS+	0500 0500	9 16 9 16	20 47 10 20 48 1 <b>9</b>			333	32 41 12	845302 845302
34203 SACRAMENTO, CAL.	8517	9 16	22 14 54.1			0 00	64 16	641304
34204 SACRAMENTU. CAL.	8517	9 17	0 19 58.0			0 00	47 35	641304
33482 TERRE HAUTE - IND.	8127	9 17	0 28 19.4			0	87	245302
33483 TERRE HAUTE: IND. 33487 ROCHESTEP: N.Y.	8127	9 17	0 31 19.3	19 16 36	0 48	116 45	47	845303 845034
33488 ROCHESTER. N.Y.	8564	9 17	0 31 42.6	19 18 12	9 30			845033
10693 CURACADION. N.H.I. 1067: OLIFANTSENTNION.S.AF	9009	9 17	0 37 16.41	22 39 06	54 12 -80 35			434013 434023
34205 SACRAMENTU. CAL.		9 17	2 25 10.6	10 17 00	-40 33	0 00	71 39	641304
33489 EMINA LAKE. CAL. 33492 WIEHITA, KAN.	8566	9 <b>1</b> 7 9 17	2 26 18.0 2 30 52.2	18 04 16	9 12	0 00	65 01 12	845303
33493 FT. #ORTH: TEX.	0028 0139	9 17	2 32 02.0	19 19 00	19 48			845013
33494 FT. WORTH: TEX.		9 17	2 33 08.8	19 43 00	7 24			845013
33495 PUEBLA: MEX. 33498 SAN ANTONIO: TEX.		9 17 9 17	2 33 10.8 2 33 41	20 21 30 20 36	60 56 14 25			845042
33496 PUEBLA: MEX.	3938	9 17	2 34 55.0	21 56 30	41 36			845043
16695 JUFITERIDA. FLA. 33497 PUEBLA: MEX.	9010	9 17	2 35 <b>48.</b> 54 2 35 <b>49.</b> 7	17 59 00 22 28 12	1 27 29 00			434013 845043
13696 JUPITER ON FLA.	¥310	9 17	2 36 02.54	18 07 42	1 30			434013
34236 SACRAMENTO, CAL. 33499 PORTLAND, ORE.	3076	9 17	4 29 40.5	17 42 12	0 57 -20 36			845042
34207 SACRAMINTO CAL.	8517	9 17	4 32 17.0	19 25 54	-16 39			641013
34208 SACRAMENTO, CAL. 13732 MAUI'84, MAHAII	8517 8517 9012	9 17	4 33 52.7	20 23 18	-24 45			641043
15752 TAULTBAL MAHATI		9 17	6 32 23.00 7 25 34.92	22 02 12	21 10 -69 55			434013 434023
33200 ANTOFAUASTA + CHILE		9 17	7 09 31.3	10 41	-69 36		•	845002
13698 - ILLA WOLGRESTEN + ARG 33501 ANTOFAGASTA + CHILE		9 17	7 11 33.94 9 12 34.1	8 -1 00 13 07	-60 43 -84 30			434023 845002
1.699 VILLA DULUKESTON, AND	1011	9 17	9 13 22.97	5 08 00	-74 23			434023
34J30 ASAHIKAWA: JAPAN 34J33 MIYAZAKI: JAPAN	0201	9 17	10 19 16	13 57	18 48 61 00			845002
345\$1 FONKO: JAPAN	0224	9 17	10 21 55.0	19 02	36 00			845004
34032 YORKAICHI UAPAN 52204 VEADIVOSTOR CSSR	1013	9 17	10 28 25	22 16 15 06 06	-18 26 54			845002 845009
52215 VLADINUSTUK + USSR	1013	9 17	11 21 01 0	18 36 48	8 48			845009
34U34 FAGOSHIMA - JAPAN	0218	9 17	14 46 55 14 18 01.4	16 36 19 50 <b>3</b> 0	-14 30 8 12			845002 845009
52210 TASHKENT+ USSR 52211 TASHKENT+ USSR	1075	9 17	14 20 57.8	21 00 00	8 12 -10 00			845009
52208 EREVAN. JOSE	1018	9 17	16 13 22.7	.5 59 06	30 00			845009
52209 EREVAN+ USSR 52215 STALINABAD+ USSR	1018	9 17	16 16 25.5	19 03 12	9 48 5 18			845009
10691 SHIRAZION: IRAS	900B	9 17	16 17 38.73	17 46 06	40 40			434013
52212 TASHAENT+ USSR 52216 STALTNABAD+ USSH	1075	9 17 9 17	16 18 09.2 16 21 30.4	16 53 30				845009
52213 TASHKENT+ USSR	1075	9 17	16 22 12.5	18 55 30	-25 12			845009
52217 STALINABAD+ USSR 10683 NAINI TAL'BN+ INDIA	9006	9 17 9 17	16 22 17.1 16 22 37.81	18 54 36 17 17 06				845009 434013
\$2218 STALINABAD+ USSR	1068	9 17	16 22 53.9	19 12 30	-25 54			845009
52214 TASHKENI, USSR 12625 HOOMERATON, AULIR.	1075	9 17 9 17	16 23 00.4	19 17 00 3 25 12				845009 434023
56-26 POTSDAM - GEH.	2729	9 17	18 09 06.4	15 42 24				834049
36-27 POTSDAM. GER.	2729	9 17	18 11 02.6	17 03 06				834049
50028 POISTAM, GER. 52206 EREVAN, USSR	2729	9 17 9 17	18 13 02.3	18 22 06				834049
\$2207 EREVAN+ USSR	1018	9 17	18 17 05.9	16 53 00	- 6 06			845009
1.676 #OOMERA'EN: AUSTR. 10679 SAN FERNANDO'BN: SP.	9003	9 17 9 17	18 57 34.81 20 14 09.90	21 38 48 18 16 30				434023 434013
34209 SACRAMENTO, CAL.	8517	9 17	21 51 28.4		, 0,	0 00	66 54	641304
34213 SACRAMENTO. CAL.	8 > 1 7	9 17	23 56 36.5			0 00	47 26	641304
10694 CURACAU! 19. N. H. 1.	9009	9 18	0 14 37.30	22 57 36	47 36			434013
34211 SAGRAMENTA, CAL.	8517	9 18	2 01 43.5			0 00	68 28	641304
33502 DENVER+ COLO. 33503 51. 40015+ MO.	8582	9 18 9 18	2 06 48.0 2 07 17.4	16 41 12	. 8 51	177 36	62 36	845303 845032
33504 KANSAS CITY, MO	0036	9 18	2 07 39.8			227	47 18	845302
33536 PUEBLA: MEX. 33539 DAYTON: SHIO	8557	9 18 9 18	2 97 59.7	17 08 06	73 00	237 12	28 54	845043 845303
33516 BILOXI. MISS.	0090	9 18	2 09 07			270	50 24	845302
33507 PUEBLA: MEX. 33511 BILOXI: MISS.	0900	9 18 9 18	2 10 45.2 2 12 56	21 58 12	43 55	180	48 48	845043 845302
33505 KANSAS CITY MO.	0036	9 18	2 14 09.6			157	17 18	845302

BBS NO SIGNION 10010 OLTFANISFNIN'BN-S-AF 33312 SAN ANIONIO- IEX- 33513 SAN ANIONIO- IEX- 33513 SAN OLEGO- CAL- 34212 SACRAMENIO- CAL- 34213 SACRAMENIO- CAL-	\$5A NO OA5 9002 9 2 0089 9 2 0089 9 2 0133 9 1 8518 9 3	8 3 00 40.73 8 3 07 44 8 3 10 30 8 4 08 25.1 8 4 08 43.6		DECL. -60 09 47 00 15 12 4 06 -13 36 -21 44	ntumisa	ALTINOL	RANGE #NDEX 434023 845042 845042 845042 641013 641013
33568 PUEBLA. MEX. 33490 CHINA LARE. CAL. 33490 SAN DIEGO. CAL. 10700 VILLA DOLORES'BN.ARG 10701 VILLA GOLORES'BN.ARG 33453 SAN JUAN. ARG. 34036 KAGOSHIMA. JAPAN 572:9 VLAUIVOSTON. USSR 34035 KANAYA MACHI JAPAN	0900 9 1 8588 9 1 0133 9 1 9011 9 8 9012 9 8 0812 9 1 0218 9 1 1013 9 1	8 4 11 25.8 8 4 12 13.0 8 5 49 16.35 8 8 52 00.74 8 57 52.7 8 9 55 45 8 9 58 14.2	16 20 00 23 28 8 37 54 9 00 12 10 09 48 24 10 18 56 00	-23 30 -53 27 -69 17 -22 13 64 00 7 06	180 30 00	<b>36 36</b>	845043 845303 845042 434023 434023 845002 845002
52220 VLADÝVOLTON JAPAN 34037 YOKRAÍCHÍ, JAPAN 34038 NAGOSHÍMA, JAPAN 10664 NAINI TALTEN, ÍNDÍA 52230 EREVAN, JSSR 52230 EREVAN, JSSR 52222 TASHKENY, USSR 52223 TALINABAD, USSR	1013 9 1 0458 9 1 0218 9 1 9006 9 1 1018 9 1 1075 9 1 1068 9 4	8 9 58 55.6 8 10 00 06 8 12 04 32 8 13 52 10.51 8 15 50 42.2 8 15 53 48.9 8 15 54 12.8 15 54 2.8	18 40 19 26 30 19 07 30 13 35 06 86 38 42 19 33 42 16 20 00 16 28 48	39 30 2 18 -21 09 53 15 30 11 5 54 - 0 18 2 06	136 00	74 30	8 45002 8 45009 8 45302 8 45002 4 34013 8 45009 8 45009 8 45009 8 45009
	9008 9 1 1068 9 1 1075 9 1 1068 9 1 1075 9 1 1066 9 1 9006 9 1 1075 9 1	18 15 56 16 2 2 1 1 1 1 2 1 1 1 1 1 1 1 1 1 1 1	18 51 18 17 16 12 17 41 00 18 15 50 18 28 30 16 53 18 17 48 30 19 44 00 16 37 18 16 12 24	36 21 - 6 12 -13 42 -16 54 -21 30 -23 18 -11 00 -33 36 - 6 06 - 3 00			434013 845009 845009 845009 845009 8434013 845009 845009
52227 EREVAN, USSR 52228 EREVAN, USSR 12677 ***********************************	1018 9 1 1018 9 1 9003 9 1 9004 9 1	18 17 55 44.3 18 18 38 10.10 18 18 38 10.10 18 19 51 12.70 11 27 56.8 10 32 28.9 10 32 28.9 11 23 42 58.7 18 3 3 00.3	18 27 36 7 17 00 18 32 30	-15 12 -24 54 -86 14 -8 10	0 JU	69 49 47 4 18 30	845009 845009 434023 434023 434013 641304 641304 642303 641002 434013
33516 SACRAMENTO, CAL. 3352: SAN ANTONIO, TEX. 33522 DENVER, TOLL. 3446 TERRE HALTE, INC.	8517 / 2389 / 8582 / 8127 9	19	13 41	51 00	0 00 180 00 249 <b>9</b> 0	55 35 66 36 33 45	641304 845042 845303 845303
33523 ST. COLI: MG. 33524 NEW JRLLANS: LA. 33485 TERRÉ HAUTE: IND. 33525 PUEBLA: MEX. 33525 PUEBLA: MEX. 1672 OLIFANTSENTN'BN: AF. 33529 PORTLAND: OFE.	0.40	19 1 48 24.3 19 1 48 24.3 19 1 48 45.1 19 2 35 34.90 19 3 39 23.6	15 42 00	37 32 30 00 -70 26 7 06	2 <b>75 6</b> 0 191	6~ OU .y ~u	6 4 3 0 3 2 6 4 3 3 0 2 6 4 3 0 4 3 6 4 5 0 4 3 4 3 4 0 2 3 8 4 3 0 4 2
3353U PORTLAND, OPE, 33517 SACPAMENTO, LAL, 33491 GHINA LATE, LAL, 33518 SACRAMENTO, CAU, 35517 FUEBLA, MEA, 33518 SACRAMENTO, LAL, 33532 SACRAMENTO, LAL,	8517 8588 8517 2704 9 0700 9 8417	1	20 46 30 19 32 36 20 46 30 16 46 00 16 30 54 17 04 30	1 ~2 -16 35 -23 52 19 58 13 56 - 8 49	183 30 0	0 34 37 48	641043 845043 845043 641013
33532 JACHANETTE CALL 33542 JACHANENTE CALL 13711 **LLA LULUMEU!**C**ARL 13712 **LLA LULUMEU!**C**ARL 33-54 SAN JUANG ARG. 34-42 METAKA JAPAN 1-714 TORYO'BA JAPAN	9-12 9 8-17 9 9-11 9 9-11 9 9-11 9 6-29 9	19 5 46 50.90 19 5 47 35.0 19 6 27 59.06 19 8 27 23.79 19 8 35 26.5 19 9 34 25.6 19 9 35 18.00	22 32 06 17 52 30 6 40 24 8 17 00 10 01 30	11 38 -24 47 -42 23 -77 07 -23 34	28 <b>4</b> ↓2	5 <b>y 4</b> 8	641013 434013 641043 434023 434023 845002
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34,44 MITARA, JAPAN 52231 VLADIVOSTOR, USSR 12715 TOKYUNEN, JAPAN 34,53 MITAKA, JAPAN 34,54 KASHIWABARA, JAPAN 34,55 KASHIWABARA, JAPAN	0229 9 1013 9 1313 9 9005 9 0229 9	19 9 44 51.5 19 11 35 35.4 19 11 39 55.4 19 11 39 57.4 19 11 40 02.3 19 11 41 48 19 11 42 56	16 #5 12 18 43 06 17 25 48 18 45 19 27	<b>→27</b> 30	133 00 230 54	9 30	8 45302 8 45009 8 45009 4 34013 8 45303 8 45002 8 45003
34050 MERZART, JAPAN 34051 KANATA MACHE, JAPAN 32247 TASHILERE, USGR 52241 STALENBAU, USSR 13786 SHERZEUN, TRAN 52258 TASHICKE, USGR	0230 9 0220 9 1075 9 1068 9 9008 9 1075 9	19 11 43 06.2 19 11 43 09 19 15 30 15.4 19 15 32 12.9 19 15 32 32.15 19 15 34 26.2	20 02 00 19 35 15 48 00 16 40 30 19 46 12 18 06 33	3 30 -34 3 30 - 0 54 29 40 -18 54			8 4500 2 8 4500 3 8 4500 9 8 4500 9 4 3 40 1 3 8 4500 9
5223 TASHKETT, NDGR 13705 NATH! TALIEN, INDIA 52240 TASHKENT, USSR 52742 TCHERNOVITSY, USSR 5.733 KRYM, USSR	9006 9 1075 9 1062 9	19 15 38 14.8 19 15 38 57.40 19 15 39 12.3 19 17 24 25.8 19 17 30 14.0		-23 58 -37 54 3 36			845009 434023 845009 845009

345 NO STATION 52235 LVDV: USSR 52234 NRYM: USSR 52234 TCHERNOVIISV: USSR 52236 LVDV: USSR 10706 WOOMERA'BN: AUSIR: 10707 SAN FERNANDU'EN: SP: 10410 LURACAU'EN: N:11.	57A NO 1031 1028 1062 1031 9003 9004 9009	DATE 9 19 19 19 19 19 19 19	17ME 17 32 18.8 18 32 48.1 17 33 16.6 17 33 26.2 18 14 13.81 19 22 66.00 23 27 45.62	R. A. 19 49 00 19 04 54 20 05 36 20 14 00 9 46 00 17 52 30	DECL. -27 24 -25 18 -28 42 -29 18 -87 47 17 05 47 40	AZĪMŪTH	ALTTUUL	######################################
1010 OLEFANISPATANDA AF 3304 SACRAMENTO CAL. 33049 SAN ANTONIO TEA. 33045 FT. HONTHE TEA. 33545 FT. HONTHE TEA. 33546 FT. HONTHE TEA.	9002 6917 6946 8127 6139 0139	9 20 9 20 9 20 9 20 9 20 9 20 9 20 9 20	0 03 35.30 1 14 35.6 1 17 >6.7 1 20 54.8 1 21 43.6 1 22 04.6 1 22 44.0	10 36 00 13 45 18 18 44 06 1d 55 06 19 47 48	-86 26 34 36 31 30 26 12 37 00	0 <b>0</b> 0 243	62 <b>9</b> 0 3 <b>1 36</b>	434023 54234 545046 545333 545413 54383 845042
335-7 BICAT WILL 335-9 NE DECERNS A 335-9 NE DECERNS A 350-1 SAN ANTONES TEA 350-1 CAN ANTONES TEA 355-0 CALLES TEA 10755 DEFERN SANTONES ANTONES 10755 DEFERNS NEST ANTONES 10755 DEFERNS PARTONES AFFERNS ANTONES AFFER	0096 0096 0096 0096 8427 0129	9 20 9 20 9 20 9 20 9 20 9 20 9 20 9 20	1 45 55 1 45 09 1 45 09 1 45 40 9 1 25 45 9 1 25 45 9 1 30 11 5 2 11 44 90	21 37 0C 21 39 36 22 95 34 9 57 46	1 55 1 05 7 16 -71 12	270 270 00 180	02 70 30 01 54 27 45	0 4 \$ 3 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
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54988 AUPINETE, AC. 33754 SAC ATROCE CAU. 33758 SACRAMENTO. SAL. 33557 SACRAMENTO. CAL. 33556 JAIRAMENTO. CAL. 34216 SACRAMENTO. TON.ARG. 10717 VICEA COURTECTON.ARG.	5087 5087 531 531 6317 531	9 20 9 20 9 20 9 20 9 20 9 20	3 25 200 3 26 300 3 26 310 5 20 300 5 20 300 5 20 300 6 20 300 6 20 300 6 30 30 6	10 15 00 11 47 16 19 12 18 02 30 18 02 48 7 95 9 02 1	21 36 33 12 -33 48 -10 17 -29 15 -33 54 -81 54 -58 .0			637007 637007 642043 642043 642043 642000
34 57 YOUNG MINI JAPAN 33516 YAIPE, ITAIAAN 33516 YAIPE, ITAIAAN 3456 JAPAN 3456 AYAHINAAN JAPAN 54616 AYAHINAAN	0450 0410 0411 0411 040 1311 350	· 20 · 20 · 20 · 20 · 20 · 20 · 20 · 20	11 12 12 15 11 12 15 11 12 15 15 15 15 15 15 15 15 15 15 15 15 15	14 95 14 06 30 15 34 19 19 17 18 48 17 05 00 18 01 46 19 57	13 .6 -9 36 -0 -17 12 -19 -0 -17 30 -20 48 19 36			849004 849004 849004 849004 849004 649004
52.63 V.ACTVOSTON OS R 33502 TATRET "TATAN AN THE REMOVED OF AN 3350, H. THE POLICY OF AN 34 ** ** ******************************	1013 3504 3444 5705 444 1068	9 20 9 20 9 20 9 20 9 20 9 20	1 48 00 1 10 .3.3 1 10 .6 1 10 .7 1 10 .7	19 .7 30 .4 30 .8 43 57 .J 25 UU .2 43 36 18 38 .4	-33 12 - 6 24 -27 -14 18 -39 42 7 42 -21 14			0 40 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
1715 NAIN1 TALTON IN.1A 5249 EVER OUT 52408 TIMENOUTITE P 52408 TIESU OUS 52405 LOUR OUT 52405 TIEL OUT 52405 TIEL OUT 52407 THENOUTITE DER	7006 3. 6. 3.	, 20 , 20 , 20 , 20 , 20 , 20	15 16 24.00 17 01 13.2 17 01 16.4 17 05 16.5 1 05 42.2 1 08 47.5	16 54 00 15 13 30 15 46 00 16 14 54 16 07 16 17 14 48 10 00 00	-30 07 - 54 3 06 - 5 18 -14 00 -15 18 -27 54			43400 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
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ATTEM CURALACTOR Name:  \$574 DENVER CULU.  13568 DACHAMENTON CAC.  48560 SACPAMENTON CAC.  5375 CHINA LATE CAC.  33560 MENALER REC.  35575 ACRAMENTON CAE.	9009 8582 8517 8517 8517 8582 8588 0074 8517	7 21 7 21 7 21 7 21 7 21 7 21 7 21 7 21	1 08 44.33 2 55 06.0 4 56 57.7 5 59 14.6 2 59 47.0 5 9 47.0 5 9 47.0 5 04.13.0	.7 56 36	-44 46	223 00 180 00		ر اله و به اله اله و به اله و اله اله و به اله اله و به اله و به اله و به اله اله و به اله اله اله اله و به ال
#357# SACRAMENTO LEG. 34217 SAN DERN AND. 44018 MERAKA JAPAN 2723 AREGOMENTON. 34018 MERAKA JAPAN 34012 ALRMENAA JAPAN 344712 ALRMENAA JAPAN 344717 ALBOMENAA	8517 081. C217 7027 0292 0204	9 21 9 21 9 21 9 21 9 21 9 21	5 00 17.2 7 4 00 8 49 3 6 5 9 40 14 6 3 10 47 4 6 6 10 48 4 6 6	5 46 54 54 44 44 45 46	-23 45 -62 36 -69 43 -3 36	124 54	79 94 30 06	04101 84200 84230 43402 84200 84200
THOUSE ERRATA MALINIA JAPAN 34 JA TUKKATHIT JAPAN 4609 MTAKAN JAPAN 3422 MTZUDANAN JAPAN 10726 TUKHUTHAN JAPAN 44516 SAPPOREN JAPAN 33567 HANNGENU CITYNIA INA		9 61 9 64 9 24 9 24 9 27 9 21	44 97 14 9 94 14 90 78.4 16 92 66.4 16 93 72.6	.5 46 .5 46 .6 46 .7 48 .20 37	6 36 - 6 24 -21 06	253 54 233 44	21 30 15 45	8 4503 8 4500 8 4530 8 4533 8 4503
34510 MITAKA, JAPAN 34520 KAGOSHIMA, JAPAN 34219 GUEZON CITT, PH.IS. 34517 MITAZARI, JAPAN 34314 MITAKA, JAPAN	0229 0218 0500 0230 0230	9 21 9 21 9 21 9 24 9 34	10 53 10.5 10 54 27.5 10 55 01 40 59 17.0 40 59 18.4	19 1.	-20 18 -41	226 36 >1 180 48	24 00 -4	84530 84500 84 <b>3</b> 30 84 <b>3</b> 30 84 <b>3</b> 33

52244 KRYM: USSR 10727 SHIRAZ'BN: IRAN	STA NO 0224 9006 1028 9008	9 21 9 21 9 21 9 21	16 43 32.6 16 52 21.26	17 27 18 17 33 24 19 05 00	0ECL. •44 00 •11 53 •13 12 -37 30	AZIMUTH	ACT I TUDE	RANGE INDEX 845002 434013 845009 434023
56029 POTSOAM, GER. 52245 MEUDON, FR. 52246 MEUDON, FR. 52247 MEUDON, FR. 52248 MEUDON, FR. 56030 POTSDAM, GER.	2729 2715 2715 2715 2715 2715 2729	9 21 9 21 9 21 9 21 9 21 9 21 9 22	18 34 32.2 18 35 02.2 18 36 12.8 18 37 01.1 18 38 22.5 18 39 04.0	15 58 48	3 14	260 20 250 37 242 48 228 11	19 07 22 36 24 30 26 18	834049 637109 637109 637109 637109 834049
52249 MEUDON, FR. 52250 MEUDON, FR. 52251 MEUDON, FR. 52252 MEUDON, FR. 52253 MEUDON, FR. 52254 MEUDON, FR.	2715 2715 2715 2715 2715 2715 2715	9 21 9 21 9 21 9 21 9 21 9 21	18 39 07.8 18 40 03.0 18 41 04.6 18 42 05.5 18 43 10.1 18 44 16.2			219 41 209 31 199 11 190 20 182 31 175 59	26 17 25 18 23 09 20 17 16 51 13 18	637109 637109 637109 637109 637109 637109
52255 MEUDON, FR. 56031 POTSOAM, GER. 52256 MEUDON, FR.	2715 2729 2715	9 21 9 21 9 21	18 45 04.8 18 46 00.0	18 37 00		172 03 168 08	7 49	637109 834049 637109
10720 WOOMERA'BN. AUSER. 33577 WOOMERA. AUSTR. 33581 ADELAIDE. AUSTR. 33578 WOOMERA. AUSTR.	9003 0603 0600 0603	9 21 9 21 9 21 9 21	19 33 56.31 19 34 55.0 19 35 02.2 19 36 54.3	7 26 00	-68 21	146 18 136 35 123 24	46 06 58 40 54	434023 845304 845304 845304
33579 WOOMERA. AUSTR. 33580 WOOMERA. AUSTR. 33582 TOWNSVILLE. AUSTR. 33583 TOWNSVILLE. AUSTR. 33584 TOWNSVILLE. AUSTR.	0603 0603 8578 8578 8578	9 21 9 21 9 21 9 21 9 21	19 38 09.1 19 39 19.7 19 40 24.4 19 40 26.2 19 40 26.4			112 36 104 48 139 40 139 25 139 22	35 48 30 42 30 29 30 37 30 36	845302 845302 845302 845302 845302
10721 SAN FERNANDOTEN. SP. 33585 SACRAMENTO. CAL.	8517	9 21	0 27 09•3	16 50 24	-15 31	0 00	>8 16	434013 641204
33590 CHICAGO: ILL. 33594 TERRE HAUTE: IND. 33591 CHICAGO: ILL. 33596 ROCHESTER: N.Y.	0020 8127 0020 8564	9 22 9 22 9 22 9 22	0 31 49 0 33 05.9 0 34 08 0 34 56.8	17 12 16 03 48	13 45	259 255 30	17 40 00	845302 845303 845042 845033
33597 ROCHESTER N.Y. 33599 DAYTON OHIO 33592 CHICAGO. ILL.	8564 8557 UO2U	9 22 9 22 9 22	0 35 36.4 0 35 55 0 36 09.8	16 23 48 17 58	- 8 09 -11 00	246 33	37 00	845033 845303 845042
33595 TERRE HAUTE: INU. 33596 ROCHESTER: N.Y. 33593 CHICAGO: ILL. 33600 DAYTUN: DHIO	8127 85 <b>64</b> 0020 8557	9 22 9 22 9 21 9 22	0 37 42.8 0 38 05.8 0 38 06.2 0 39 31	19 52 17 14 00 19 56	-16 00 -16 12 -21 05	188 54	25 <b>46</b>	845042 845034 845042 845303
33601 N. CANTUN. OHIO 10725 CURACAU!BN. N.H.I. 33602 SAN JOSE. CAL.	8559 9009	9 22 9 22 9 22	0 39 45.1 0 45 07.75 2 33 53.4	19 04 45 19 24 41	-27 30 - 2 16	180	55 26 2	845042 434013
33586 SACRAMENTO: CAL. 33603 DENVER: COLO. 33604 WICHITA: KAN.	8517 8582 0028	9 22 9 22 9 22	2 34 01.1 2 34 45.6 2 34 48.6	15 46 19	- 3 01	180 00 232 48	50 02 26 00	641304 845303 845043
33005 CHINA MARE, CAL, 33606 SAN DIEGO: CAL, 33607 SAN DIEGO: CAL, 33587 SACRAMENTO, CAL,	0098 0133 0133 8517	9 22 9 22 9 22 9 22	2 35 34.7 3 34 20.0 3 35 1 4 37 06.9	17 34 18 48 17 40 12	16 24 8 06 -24 36	180 00 00	) 48 59 2	# 641303 845042 845042 641043
33588 SACRAMENTO, CAL. 33589 SACRAMENTO, CAL. 342:8 SAN JUAN, ANG.	8517 8517 _81.	9 22 9 22 9 22	4 37 26.5 4 39 37.6 7 19 20	17 28 36 18 20 48 8 50	-26 16			641043 641043 845002
34522 MITAKA. JAPAN 34523 MITAKA. JAPAN 34530 KANAYA MACHI. JAPAN 34525 YOKEALUHI. JAPAN		9 22 9 21 9 22 9 22	6 26 30.3 10 23 24.3 10 24 21 10 26 4.	14 24 15 47	16 4 1:	114 36 279 30	67 42 12 54	8 4 5 3 0 3 8 4 5 3 0 3 8 4 5 0 0 2 8 4 5 0 0 2
10735 FORYOTENA JAPAN 34524 MITARAA JAPAN 34527 MUSASHINOA JAPAN	9005 3229 3233	9 22 9 22 9 22	10 27 36.50 10 29 28.5 10 29 34.4	16 00 48	- 2 26	225 <b>4</b> 2 225 00	26 18 26 30	434013 845303 845302
34532 MIZULAHA, JAPAN 34531 KAGOSHIMA, JAPAN 34526 ASAMIKAHA, JAPAN 34525 MITAKA, JAPAN	0267 0218 0201 0229	9 22 9 22 9 22 9 22	10 29 55 10 30 56 10 31 04 • 2 10 34 03 • 6	17 36 19 18 18 43 00	19 30 -19 18 -27 12	186 00	15 12	845002 845002 845002 845303
34528 MUSASHINO+ JAPAN 52282 TASHKENT+ USSR 52283 TASHKENT+ U'SR	0233 1075 1075	9 22 9 22 9 22	10 35 10.0 14 20 43.5 14 23 22.1	15 46 00 17 19 00	-13 54	180	11 48	845302 845009 845009
52264 BASHGENT, USSR 1U731 NAIN: TAL'BN, INDIA 10728 WOOMERA!BN, AUSER, 52272 MEUDON, FR.			14 25 20.6 14 29 23.36 17 01 39.26 18 13 27.1		-29 18	241 30	26 20	845009 434023 434023 637109
5 3 3 7 3 MCR OCA 5 G	2715 2 <b>7</b> 15 2715	9 22 9 22 9 22	18 14 00.3 18 15 06.3 18 16 01.1			235 23 242 26 211 42	27 19 28 07 27 30	637109 637109 637109
52273 MEUDON: FR. 52275 MEUDON: FR. 52276 MEUDON: FR. 52277 MEUDON: FR. 52278 MEUDON: FR. 52279 MEUOON: FR.	2715 2715 2715 2715	9 22	18 17 02.2 18 18 09.1 18 19 03.2 18 20 04.1			200 32 189 59 182 52 176 15	25 30 22 18 19 15 15 46	637109 637109 637109 637109
52281 MEUDON+ FR. 1.729 #BOMERA!BN. AUSIR.	2715 2715 9003	9 22 9 22 9 22	18 21 09.9 18 22 02.8 19 09 09.26	6 25 00	-75 04	170 26 166 36	9 05	637109 637109 434023
34220 TOWNSVILLE AUSTRA 34221 TOWNSVILLE AUSTRA 34222 TOWNSVILLE AUSTRA 15730 SAN FERNANGG'BNA SF	8578 8578 8576	9 22	19 17 08.2 19 17 10.2 19 17 10.3 20 19 52.70	16 42 36	-15 26	134 33 134 21 134 18	27 49 27 47 27 46	845302 845302 845302 434013
33608 SACRAMENTO, CAL. 33613 TERRE MAUTE: THO. 15732 CURACADIDA N.H.1.	8517 8127 9009	9 23	0 03 19.1 0 15 34.6 0 21 28.54	19 04 00	3 09	0 60	\$6 23 26 35	641304 845 <b>3</b> 03 434013
33699 SACRAMENTO, CAL. 33614 SAN DIEGO, CAL. 33615 ALBUGUEROUE, N.M.	8517 0133 8579	9 23 9 23 9 23	2 09 57.5 2 12 09.5 2 16 02	18 53	4 00	180 00 .	25 48	641304 845042 845302
33616 NEW ORLEANS: LA.	0030	9 23	2 17 46			225 00	22 30	845302

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33611 SACRAMENTO. CAL. 33619 CHINA BARE. CAL.	85 <b>1</b> 7	9 23	4 17 11.7	16 33 00	-17 40	238 17 24	13 05 24	641013 641303
33918 PUEBLA. MEX.	0900	9 23	4 16 35.9 4 70 00.1		-38 45 -21 08			641043 845043
10740 MAG1'UN: MAWA11 34036 YURKALCHI: JAPAN	9012 0258	9 23	6 11 47.08	16 17 06	11 12			434013 845002
34338 SAPPURU, JAPAN 34338 Milaka, Japan	0245 0229	9 23	10 03 16.8	16 10 00	• 9 30	218 18	28 06	845002 845302
	0218	9 23	10 07 16.5 10 07 28.7	19 18	-17 36	205 00	25 36	845002
34537 KANATA MAGHER JAPAN 34535 MITAKAR JAPAN		9 23	10 08 01	18 48	-27	197 48	23 18	845002 845302
	1000	9 23	14 05 15.09	16 37 42 1 <b>7</b> 1 <b>7</b> 30		•		434023
52286 TASHKENT: USSR 34226 HOOMERA: AUSTR.	1075	9 23	14 59 58.0	17 39 30		162 42	43 30	845009 845302
34227 HOOMERA, AUSTR. 34228 HOOMERA, AUSTR.	0603	4 . 3	18 47 48.3			137 06	40 48	845302
34223 SYDNEY + AUSTH		9 23	18 51 05.7 18 52 56	8 05	-23 30	110 18	28 54	845302 845042
13734 SAN FERNANDUSAN SP. 350.0 SACRAMENTUS SAL	8517	9 23	19 55 59.40			0 00	24 46	434013 641304
34229 N. CANTONO UHIO 33522 Fi. Druvolko (A. 33523 Fi. Druvolko (A. 33622 Fi. Bruvolko (A.	0265	9 23 9 23	13 48 39.0	17 41 15	19 33	223 12	ه د د د	845302
33523 FT. BELVELR. VA. 33522 FT. BELVELR. VA.	0011 J017	9 23	.3 53 17.3 .3 53 29.8			181 42	23 54 22	845302
1:739 CURACADIUS. S	1007	+ 23	23 54 51.07	- 17 17 30	40 00			434013
10737 AREGUERATON, PERU 33621 SACRAMENTU, CAL.	7007	9 2 4 9 2 4	0 03 13.39	22 54 48	33 43	180 00	6. 00	434013 641304
33625 DENIEH - CULC.	50b.	7 4 7	1 47 45.4			224 45 00	30 48	645303
54.232 FUEBLA - MIA.	ياويان پاڙيان	4 2 -	1 53 41 1 57 31.6	.08	-32 34	.25 00	16 JU	845043
Nel34 CHINA LAND, CAC. 14233 PUEBLA, MCA. 14233 PUEBLA, MCA. 1421 MAUITON, MARAIL 14236 ANTERODATA, CHICADA ANTERODATA	0 > 0 0 0 + 3 0	· 24	3 52 06.7	.7 15 48	-34 07	214 42 30	13 04 40	845043
.: "41 MAUITON: HAWAIL 54236 ANTWEADASIA: CHIC	4.1. 	7 24 9 44	5 50 09.37 8 33 04	B 50	-76 56			434013
34343 KAGUUHIMA UARAN	0.10		9 39 4. 9 39 44.0	10 10	18 54 -17			845002
34236 ANTOFAUASTA - CHIC 34343 KAGGUH,MA, LAYAN 34343 KAGGUH,MA, LAYAN 34340 KSAMINARA, JAPAN 34344 MIZUJAHA, JAPAN 44342 YOUSAHIMI - JAPAN	1.33	y . 4	9 42 43	10 11	- 1	190 30	36 30	645302 645302
TANAN TIZULARA DAPAN	250	4	9 44 63	. 0 44	-27 36	198 30	. 8 4 5	845002
SALAS RAGCEMAMA LAKAM	Lit	9 24	11 47	10 36	-38 36			845042
738 SHIRAZION+ IHAN	1000	7 44	.5 37 47.07	10 57	- 4 30 -10 .9			434013 434013
1.733 AUCHERASONA A. H.	05.7	1 .4	16 17 32.41		-65 08	J 30	53.24	434U23 641304
	1207	1 24	.3 33 43.44	19 34 44	18 29			434013
	8 > 8 L	1 25	1 21 37.9			.80 00 .15 45 00	66 57	641304
3650 NEW UNDER ON LA.	0.000	y 25	, .'r 33			225 00	28 30	845302
THEN PUBBLAN MER.	0.17	1 .5	1 31 00.6	.Y .8 .4		.07 .>	d	845043 845043
		9 25	5 26 47.4.	16 4. 30 8 90	-72 10			434013 8450 <b>42</b>
14217 ANTOFAGASTA - MILL 14219 SAN JUANA ARU, 14146 YURFALIMA DAPAN 14245 TARRELI TARWAN	50	+ +5	8 13 55.3 9 14 02	6 37 36				845002
		1.5	11 14 50.5	19 14 24	18 24			845042 845042
HENT HISTORY CITYSTAINAS HENB HOTSTEND AFTITAINAS	0.05	1 .5	11 19 44.9	16 36	-10 06 -21 18			845042
TAMAN AMERICA TAMAN	50	1 .5	11 22 47			220 42	3 40	645302
4249 MSINUCHU CITTATALAN	0505	1 .5	11 23 50		- 3 - 30			845002 845042
145 OLIFANTSFNINTON . S.AF	000.	1 .5			40 28	171 48		434013 641302
44251 PERTH. AUSTH. 14252 PERTH. AUSTR.	1011	* .5	19 59 50.5 10 02 32.8			128 18 123 48	46 20 64 26	64130 <b>2</b> 641302
56146 USTMINA, 15846 CEIFANTURNINEUNAF	900.	9 .5	23 18 51.2 23 43 31.70	15 00 00				845009 434023
34230 No ANTONO 3440	d <b>5 5</b> 5	1 25	1 03 47.	16 34 39	-20 50			845043
14253 STATE COLLE E. PA.	0000	7 . 6	1 04 20.6			236 12	6 06	845303 845303
34.55 STATE COLLEGE PA.	0060		1 04 32.1	T= 12.00		234 30	6 06	645303
THE NEW URLEARS . LA.	030 035 8359	4 .0	1 05 24	18 . 3 00		445 00	32 00	845043
SHESE A. CANTUM: UMEU SHEELA: MEX:	8226	y 26	1 07 36.4	11 28 20 23 18	-37 15 -21 52			845042
34244 PUEBLA: MEX. 14850 CURAÇAJIMN: N. 4.1.	3760	9 26	1 12 01.5 1 13 58.42	17 64 12				845043
1.745 APE LITEA BN. PERL 1 747 GETANT ANTHONOS AF	900	9 26	1 17 15.63	8 67 44	8 49			434013
34778 (MINA LAKE, KAL. 34000 MINAKA LAKE	6386	7 .6	3 01 22.9 8 50 16.7		. ,	269 24	18 48 30	845303
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34 49 ASAMTKAWA, JAPAN 34555 MEZUSAWA, JAPAN	0201	9 26	8 57 28.3 9 00 00	18 16	- 1 t -		9 12	845002 845302
34554 MITAKA: JAPAN 34257 TAIPEL: TAIWAN	2229	7 .6	9 00 02.2	16 02	- j 24	166 00	9 12	845303
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34556 KAGOSHIMA: JAPAN 34258 TAIPEL: BAIWAN	81A NO 0218 0502 0505 0502	DATE 9 26 9 26 9 26 9 26	TIME 30 56 07 30 57 38.2 30 58 29.4 10 59 36.0	Re Ae 16 C4 17 26 18 03 18 41	DECL. =19 36 =24 00 -30 24 -38 24	AS THUTH	ALTTTUNE RANGE	#45002 #45042 #45042 #45042
34261 WOOMERA. AUSIR. 34263 PERTHA AUSTR. 19748 WOOMERA. BN. AUSTR. 34224 SYONEY. AUSTR. 34225 SYDNEY. AUSTR.	0603 0601 9003 0602 0602	9 26 9 26 9 26 9 26 9 26	81 09 14 83 06 82.6 17 32 43.62 17 37 31 17 40 26.6 22 58 50.0	6 47 18 6 25 7 42	-75 43 -53 -29 12	332 48	24 30 15 00	845302 641302 434023 845042 845042 845309
56147 USIMINAS	8145	9 26				50	70	
34264 MILWAUREE: #ISG. 34265 MILWAUREE: #ISC.	0074	9 27	0 34 32.2			257 54	11 24 13 48	641304
34267 ST. PETERSBURG. FLA.	0121	9 27	0 41 52	15 21	- 6148			845032
10751 JUPITER+BN. FLA. 34268 ST. PETERSBURG. FLA.	901C 0121	9 27	0 42 43.54	15 53 18 16 10	-15 37 -15 10			434013 845032
34266 MILWAUREE: WISG. 34269 SI. PETERSBURG. FLA.	0074	9 27	0 44 23.1	16 40	-21 40	189 24	3 48	641304 845032
34270 PUEBLA, MEX.	9900	9 27	3 44 36.8	20 18 18	-16 16			845043
10752 CURAÇAO'8N, N.W.I. 34273 CHINA LAKE, CAL.	9009 8588	9 27	0 48 27.97	16 25 12	-20 55	217 30	19 48 36	434013
34271 PUEBLA - MEX.	0900	9 27	2 42 01.5	15 23 18	- 5 16	111 30	17 40 30	845043
34272 PUEBLA: MEX. 13753 VILLA DOLORES:BN:ARG	9900 9011	9 27	2 49 16.6 5 18 41.41	7 30 48	-48 26 -52 20			845043 434023
1075- VILLA COLORESIBNIARO	9011	9 27	7 20 50.67	6 13 74	-69 31			434023
34274 TAIPET. TATHAN 34298 BAGUIO GITY. PP.15.	0502	9 27	10 31 47.7	16 09	- 5 06	:54	59 54	845042
34275 TAIPET - TAIRAN	0502	9 27	10 34 37.2	18 02 30	-30 30	• • •		845042
34262 WOOMERA, AUSTR. 11869 WOOMERA-45, Austr.	9603 9003	9 27	10 46 06.5	12 18 48	30 15 38			434013
10755 HOGHERATEN. AUSTR.	9003	9.27	17 08 13.60	6 38 48	-77 15			434023
34747 PRETORIA: S.AFR: 10756 #JOMERATON: AUSTR:	9003	9 27	18 37 37.6 19 15 36.78	5 57 00	-39 13	326 24	32 06	845303 434023
34276 ADELATER AUSTRE 34277 ADELATER AUSTRE	0000	9 27	19 18 41.6	7 +0	5 30	50 15	49 30	845302 845041
34278 SACRAMENTO: CAL.	8517	9 27	22 02 59.4	, 40	, ,0	0 00	50 14	641304
13759 JUPITER BN. FLA.	9010	9 28	0 22 13.75	17 26 30	- 38 58			434023
10756 CURACADIBNI N.H.I.	9009	9 28	0 25 29.67	.0 42 54	-29 31			434023
10760 VŤLLA DOLORESIBN.ARG 34279 PUEBLA, MEX.	0 40 C	9 28	0 35 <b>5</b> 13 2 23 56.7	17 09 48	8 34 -43 07			434013 445043
13761 VILLA DOLGRESTENTARG	9311	9 28	6 58 19.61 9 03 45.59	7 32 48	-44 48			434023
10762 TILLA DOLORESTENTARG 34299 QUEZON CITYT PHTIST	9311	9 28	10 07 38	81 Bt ¢	-21 31	305	44	434013 845302
##100 JUEZON CITY: Pm.IS. #302 BAGUIO CITY: Pm.IS.	0500 0504	9 28	10 00 45			290 252	<b>♦</b> 0	845302
Just 1 QUEZON CITY PH. 15.	3500	9 28	10 17 11			166	70 62	845302 845302
34363 BAGUIO LITTE PH.IS. 34280 TOWNSVILLEE AUSTR.	0504 8578	9 28 9 28	10 15 59			145 48 257 32	16 42	845302 845302
34280 TOWNSVILLE, AUSTR.	8578	9 28	10 24 11.5			251 42	88 47	845302
34282 TOWNSVILLE: AUSTR: 13757 MOOMERATEN: AUSTR:	8578 9303	9 28 9 28	10 24 23.4	22 34 48	12 24	158 40	87 •7	845302 434013
34283 ADELATOL: AUSTR.	3600	9 28	10 25 45.2	11 34 40		42 45	28 45	845302
34284 ADELAIDE: AUSTR. 34285 ADELAIDE: AUSTR.	3630	9 25	10 25 47 10 26 34			<b>43</b> 51 55	29 15 30 00	845302 845303
34304 BAGUIG CATE PH.IS.	J504	9 28	12 16 04			216 30	10	845302
763 #DOMERATAN, AUSTR. 34286 SYDNEY, AUSTR.	9003	9 28	16 42 33.13 16 52 39	3 12 00 7 52	-86 16 -23 12			434023 845042
342 PC HOOMERA + AUSTR . 34294 HOOMERA - AUSTR .	0603	9 28	18 43 24.7			223 00	26 00	845302
##754 #JOMERATON - AUSTR -	√003 √003	9 66	18 51 06.71	5 50 42	-42 26	199 30	>8 12	845302 434023
34292 #OOMERA, AUSTR, 34293 #OOMERA, AUSTR,	0603	9 28	16 53 23.4			86 30	55 48 30 00	#45302 #45302
34105 ADELATUE. AUSTR.	0600	y 28	19 06 09:8	7 -0	- 4 42	00 00		845041
33983 SACRAMENTO: CAL: 33984 SACRAMENTO: CAL:	8517 8517	9 28	21 38 42.7			0 00	49 46 89 28	641304
1.765 CURAÇÃO SAN N	9009	9 29		1.6	10			
10771 VILLA DELURES UNIARG	9009	9 29	0 01 19.62	16 36 18	-28 48 11 20			434023 434013
13772 VILLA DOLORES'BNIARG		9 29	6 31 58.18 8 38 14.82		-71 09 -33 09			434023
54294 SIDNEY AUSTR	0602	9 29	9 58 42.5	19 17 30				434023 845043
12768 WOOMERATEN, AUSTR. 34295 SYENEY, AUSTR.	9 003 6 6 <b>6</b> 2	9 29	10 00 39.57	22 28 42 20 48	13 58 16 06			434013 845043
34296 STONEY . AUSTR.	4604	9 29	10 04 42.3	24 52	- 7 -8			845043
34311 QUEZON CITY, PH.15. 34312 QUEZON CITY, PH.15.	6500	9 29	11 47 50 5			248 242	12 12	845302
34113 GUEZON CITO PH.13.	₩50C	9 29	11 49 50.0			232	13	845302
1,710 HOOMERATUN, AUSTR. 1,769 HOOMERATUN, AUSTR.	9003 9003	9 29	16 25 47.80					434023 434023
34351 PRETOPIA. S.AFP.	0405	9 29	17 53 31.6	21 29 30	- 5 42			845042
10767 WOOMEPAREN, AUSTR. 14287 SYENEY: AUSTR.	9003 9602	9 29	18 25 59.25	5 20 06 5 32 30	- 5 24			434023 845043
34288 SYDNEY, AUSTR. 34289 SYSNEY, AUSTR.	0602	9 29 9 29	18 31 45.9 18 35 33.25	5 50 30				845043
10766 DLIFANTSENINGENIS.AF	9002	9 29	18 51 01.20	19 43 36	18 24			845043 434013
34352 PRETUPTA, S.AFP. 44357 SACRAMENSO, CAL.	8517	9 29	19 56 48.4 21 14 22.1	18 05	-41 24	0 00	49 16	845042 641304
1.745 CURACAUSEN. N.W. 1.	9009	9 29	c3 30 47.12			5 00		434013
10714 ARECUIPARBN. PERU	9007	9 29	23 43 58.93	20 51 24	8 20			434013
84914 LAWYON. OKLA. 34315 LAWYON. OKLA.	0110	9 30	1 31 10.5			220 25		845304
34316 LAWTON - OKLA.	0110	9 30	1 31 44.2			216 54 6		845304
13775 VILLA OOLORES BN.ARG	9011	9 30	1 52 11.12	19 58 06	-44 26			434023

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10777 VILLA BOLORES'BN.ARG	9011	9 30	8 20 01.15	7 28 48	7 60		20.30	434013
34317 ADELAIDE - AUSTR	0600	9 30	9 14 16.0 9 15 06			60 55 72 30	20 20	845302 845302
34318 ADELAIDE: AUSTR. 34319 ADELAIDE: AUSTR.	0600	9 30	9 16 30			78 50	17 55	845302
34323 TOWNSVILLE - AUSTR .	8578	9 30	9 35 11.1			24 36	73 55	845302
34324 TOWNSVILLE. AUSTR.	8578	9 30	9 35 13.3			27 57	74 23	845302 845302
34325 TOWNSVILLE AUSTR. 34356 SYDNEY AUSTR.	8578 0602	9 30 9 30	9 35 28.6	4 30	8 12	43 56	75 12	845047
34357 SYONEY AUSTR	0602	9 30	9 42 03.8	23 45	-14 42			845047
34358 SYDNEY. AUSTR.	0602	9 33	9 42 29.8	0 00 00				845047
34359 SYDNEY AUSTR	0602	9 30 9 30	9 44 50.6 11 16 44.6	1 18	-25 24	352	7.6	845047 845302
34320 ADELAIDE - AUSTR. 34321 ADELAIDE, AUSTR.	0600	9 30	11 17 40.2			73 20	79 15	845302
34322 AGELABOE: AUSTR.	0630	9 30	11 19 14.4			112 20	61 00	845302
34326 QUEZON CITY. PH.15.	0500	9 30	11 26 19			210	14 10	845302 845302
34327 OULZON CATY+ PH.15+ 34328 QUEZON CATY+ PH.15+	0500	9 30 9 30	11 30 30 11 32 22			197 188	-6	845302
34306 ADELATUL . AUSTR.	0600	y 30	11 38 02.0			131 40	41 30	845302
34329 WOOMERA+ AUSTR.	0603	9 30	11 38 32.3			295 24	60 00	84>302
34360 SYONEY: AUSTR. 34330 WOOMERA: AUSTR.	0602	9 30	11 38 35.5	18 04 10	- 4 06	245 48	#2 12	845047 845302
10779 #COMERATHA AUSTR.	9003	9 30	11 40 34.26	20 56 54	-36 58		•• ••	434023
34307 AOELAIDE, AUSTP.	3600	9 30	11 41 20.0			28 50	85 30	845303
34361 SYONEY, AUSTR.	0602	9 30	11 41 39	18 55	-26 48	140 18	59 06	845047 845302
34331 NOUMERA, AUSTR. 34333 CHATTANOUGA, TENN.	J 6 6 2	9 30	11 42 46.4 14 42 25			136	88 30	845301
10780 WOOMERA SN. AUSTR.	9003	9 30	15 52 33.63	20 03 48	-83-18	-		434023
10778 OLIFANTSENTHIBNISIAF		9 30	17 32 44.90	. 3 53 06	-24 08		. a. bila	434023
34334 HOOMERA. AUSTR. 34366 AOELAIDE, AUSTR.	0603	9 30 9 30	17 58 14.3 18 01 14			200 54 141 30	78 45	845302 845303
	0 600	30	18 01 14.0			54 30	78 45	845303
10781 HOOMEFA'DA - AUSTR	9003	9 30	18 01 15.29	5 09 48	-53 54			434023
34335 AUCHERA, AUSTR.		9 30	16 01 47 43			139 18	63 00	845302
34336 #COMERA: AUSTR: 34309 AUELAIDE: AUSTR:	3600	9 30	18 G4 33.1 18 G5 26.5			67 16	49 34	845302 845303
34310 ADELATOE - AUSTR.	0600	9 30	18 08 49.3	7 35	14	• • • • • • • • • • • • • • • • • • • •		845041
12787 CURALAU 65. N	9009	9 30		15 31 00	- 7 28			434013
13788 VILLA LOLURESTEN.ARG	11C+	¥ 30	.3 28 30.44	3 30 54	-17 : 8			434013
34337 PUEBLA: MC:.	2900	13 01	1 39 00.1	15 55 06	-26 00			845043
34330 PUEBLA. MEX.	C 400	10 01	1 10 24.0	16 34 00	-37 28			#4>043
34339 PLEBLA: MEX.		10 01	1 11 23.5	I 01 -2	-43 57			#45043
10789 VILLA DOLORESIBNIARG 10796 VILLA DOLORESIBNIARG		10 01	1 24 44.43	J 17 00	-11 53 -84 30			434013 434023
34362 SYONEY: AUSTR. 34363 SYINEY: AUSTR.	3601	10 31	9 13 51.1	ZT 09 30	15 42			845047
	2002	10 01	9 16 52.7	. 5 03	- 7 06			845047
14370 GUEZON CITTE PH.IS.		10 01	16 58 24			257	12	84>302 845302
34371 DUEZON CITY, PH.Is. 1.782 WOOMERATEN, AUSTR.		10 01	11 01 18	20 40 30	-30 09	233	19	434023
34354 SYCNEY+ AUSTR.		10 01	11 17 13	18 -7 10	-24 30			845047
4365 SYDNEY. AUSTE.	0.905	10 01	11 17 44.0	19 02	-29 30			845047
19372 SYDNEY, AUSTR. 10801 OLIFANTSENIN'SN.S.AF	0002	10 01	11 21 0± 17 00 07•60	22 06 18 31 06	-61 48 37 3#			845047 434013
+4353 PRETORIA: S.AFR.	8575	10 01	17 00 22.3	18 42	36 24			845042
44355 PPETOPIA, SAAFP.	0435	10 01	17 06 40.5	22 44	-14 36			845042
34340 ADELAIDE: AUSTR.	0630	10 01	17 40 45.4 19 08 07.8		. 1 24	74 40	48 00	#45302
A SOUR PRE URIA - SOUPE.	8575	10 01	19 00 07.0	17 57 30	-41 24			845042
14341 PUEBLA. MEA.	0900	10 02	0 46 41.3	16 47 18	-+0 06			845043
1 791 VILLA OOLORESIBNIARG		10 02	1 07 30.87	1 29 12	-5# 28			434023
34905 TOWNSVILLE AUSTR.	8578	10 05	7 30 23.35	7 05 00	0 18	102 39	50 42	434013 845302
34376 TOWNSVILLE AUSTR.	6578	13 02	8 46 40.4			99 30	48 44	845302
10783 #OCMERATON AUSTR.	9 303	10 02	10 51 20.29	20 39 30	-25 59			434023
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1.785 WOOMEFA'BN. AUSTR.	9003	10 02	17 11 18.36	4 31 12	-62 58			434023
10803 OLIFANTEFNIN'BN.S.AF								434023
34379 PRETORÎA, S.AFR. 19786 HOOMERA'UN: AUSTR.	8575 9003	10 02 10 02	18 43 45.0 19 17 19.88	17 56	-41 30			845042
19795 WOOFERA BRI AUSTRI	7003	15 01	17 17 17.00	3 32 42	- 8 35			434013
10804 OLIFANTSENIN'BN.S.AF		10 03	1 01 06.10					434023
10797 VILLA OQLORES'BN.ARG		10 03	4 56 00.25	6 36 24				434023
34358 AOELAIOE, AUSTR. 34369 AOELAIOE, AUSTR.		10 03	9 56 17.3 10 06 46.5			325 45 105 15	15 15 43 15	845303 845303
34380 WOOMERA AUSTR		10 03	10 25 54.3			343 54	70 12	845302
10798 WOOMERA+BN. AUSTR.	9003	10 03	10 26 32.42	20 27 30	-19 42			434013
34377 TOWNSVILLE AUSTR	8578	10 03	10 27 23.5			209 24	35 16 45 07	845302
34378 IOWNSVELLE: AUSTR. 34381 WOOMERA: AUSTR.		10 03	10 27 25+2 10 28 29+5			209 05 1 <b>69</b> 18	35 07 65 06	#45302 #45302
34373 SYDNEY. AUSTR.	3602	10 03	10 28 49.6	18 54 30	-26 12			845047
34374 SYDNEY - AUSTR.	0602	10 03	10 29 02.6	19 03	-28 24			845047
34386 MELBOURNE+ AUSTR. 34367 ADELAIGE: AUSTR.		10 03	10 <b>29</b> 25 10 3 <b>1</b> 08.8			0 • 0 H O O	72 67 00	845302 845303
34387 ADELATOR AUSTR.		10 03	10 31 08 8			108 00	29 06	845303
34375 SYDNEY . AUSTR.	0502	10 03	15 34 23.5	. 3	-57 36			845047
34342 PUEBLAS MEX.		10 03	11 09 55.0	6 47 54	-55 00			845043
34343 PUEBLA: MEX: 34383 WOOMERA: AUSIR:		10 03	11 11 57.2	7 44 24	-46 34	252 44	.4 34.	845043 845302
34384 WOOMERA AUSTP.		10 03	12 29 38.6			236 42	34 00	845302
10799 WOOMERA BN. AUSTR.	9003	10 03	12 32 14+15	16 49 18	-68 50			434023
34385 WOOMERA. AUSTR. 10807 MAUI+BN. HAWAII		10 03	12 32 24.9	7	7 3	201 24	40 54	645302
34387 SYONEY AUSTR		10 03	15 08 09.81 16 52 43.4	7 .6 4. 5 15				434023 845047

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18-32   SANGE PROBLEM PROBLEM   14   10   10   10   10   10   10   10	34390 QUEZON CTTV. PH.Is.	050.	10 01	41 34 OI			106	40	845362
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34-15   570 RET   2051	34413 TOWNSVILLE. AUSTR.	8575	13 35	1 3: 27.1					ـ ادر ۱۰۵
34-19   N. (ANICH: CHIE)   80-5   10-20   10	34415 SYONEY - AUSTH.		10 0:	9 -0 07. r					
10815 WOMERATON: AUDITA					8 41 70	- 16 30			
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34-06 ANTOFAUASTA, DRILL  080- 10-05  10-07 OLIFATOS-NIAR 9004  34-00 ANTOFAUASTA, CHILL  34-00 ANTOFAUASTA, CHILL  080- 10-06  34-00 ANTOFAUASTA, CHILL  080- 10-06  34-01 ANTOFAUASTA, CHILL  080- 10-06  10-06  10-07 C									
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34-17 SYDNEY, AUSTR. 0001 12 0 7 .0									
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10820 **OOMERA*OF*** AJSTR.					.8	-57 00	4 - 7 144	40 JU	
35158 PRÉTORIA. S.ARR.   8575   1 06   1 07 24.   18 47 30   -47 30   842041   1821					5 7 48	7 24			
34424 MODMERA, ACSTR. 0603 10 07 10 07 10 00 137 10 00 00 00 00 00 00 00 00 00 00 00 00	35158 PRETORIA. S.AFR.	8575	:		. 8 47 30	-47 30			842044
34424 MOOMERA, AUSTR. 0603 LU 07 LU 00 .3. BU 03 LU 07 LU 00 .3. BU 03 LU 07 L	10821 WOOMERA DA. AUSTR.	9 00 3	10 06		. 13 : •	0 .4			434023
34430 SYDNEY, AUSTR.					10 00	-37 4.		37	
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34426 MOOMERA; AUSTR. 0603 1C U7 .0 08 37.7 1.0 00 1.0 0 1.0 0.0 1.0 0 1			4						
10824 WOOMERA'BN: AUSTR: 9003 1		360.	3 1 "	. 6 56 53.0					U → ⊃ ⊃ ∪ ⊾
13826 WOOMERATURN AUSIR. 2003 10 07 17 12 25 11 1 23 74 2 58	10824 WOOMERA'BN: AUSTR.	900.	3 100	44 DY 33.36	.5 51 00	-,84 58			434023
34433 ANTOFAUA; A. CHILE 0804 10 08	10825 WOOMERATEN, AUSTR. 10826 WOOMERATEN, AUSTR.	900. 900.	3 10 07						
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34456 CHINA LAKE, CAL. 1U848 WOOMERA-BN, AUSTR. 1U852 MAUI'BN, HAWAII 53224 TULEAR, MDGSCR.	8588 10 10 9003 10 10 9012 10 10 6404 10 23 6404 10 10 6404 10 10	12 31 22.0 13 30 44.29 34 21 36.13 17 32 30.0 17 33 00.0	3 \$1 00	-82 11	133 03 00 211 54 208 42 211 16	13 12 14 06 15 54	845303 434013 434013 845309 845309 845309
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54361 TAMANRASSET+ ALG.	6412 10	11	4 08 00.0			193 24	56 00 70 30	845307 845309
54362 TAMANRASSET+ ALG. 54363 TAMANRASSET+ ALG.	6412 10 6412 10		4 10 15.0 4 11 25.0			119 00	73 00	845309
54364 TAMANRASSET, ALG. 10853 SAN FERNANOU'BN, SP.	9004 10		4 12 50.0 4 13 04.20	8 06 00	-10 52	81 30	60 36	845307 434013
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34588 SYONEY. AUSTR. 34589 SYONEY. AUSTR.	0602 10			16 32 17 46	-44 15 -64 18			84504 <b>7</b> 84504 <b>7</b>
34458 PUEBLA. MEX.	0900 10	11 1	0 00 27.6	6 41 48	-16 04			845043
10854 JUPITER'BN, FLA. 34459 N. CANTON, OHIO	9010 10 8565 10		0 03 42.96	4 57 30 6 33 10	-13 43 -19 11			434U13 845033
34461 SILVER SPRING. MD.	0032 10	11 1	0 07 35.6	• ** **	• • • • •	180	16 45 06	845302
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34462 SILVER SPRING. ML.	0032 10	1.1	0 10 48.4	7 48	ن د نه			845042
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10856 WOOMERA'BN, AUSTR. 34466 WOOMERA, AUSTR.	9003 10 0603 10		11 18 38.87	15 28 18	-78 14	188 24	J) 18	434UZ3 84330z
34590 SYONEY. AUSTR.	0602 13		11 21 02.4	16 44	-68 -8			845047
34467 WOOMERA+ AUSTR+ 34468 SACRAMENTO+ CAL+	0603 IO 8517 IO		11 23 27.6	7 47 48	-12 17	148 44	21 10	84530L
34469 CHINA LAKE. CAL.	8588 10	11	2 06 08.1			322 23 2	_	845303
34470 OENVER+ COLU. 34591 SYONEY+ AUSTR.	0602 10		12 10 03.0	10 25	-44 4.	136 48	50 Z4	8453U3 842U47
34592 SYONEY. AUSTR.	0604 10		3 26 08.8	20 06	-61 48 -73 10			045047
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34684 KANAGAMA: JAPAN	1219 10	1.1	19 55 .7		1.6	. 8	75	845302
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10857 NAINI TAL'BN. INGIA		1.1	.1 50 53.47	7 33 30	-16 0.	101	6. 70	434013
10894 SHIRAZ BN. IRAN	9008 10	1.1	. 3 49 43.53	7 35 06	-1. 51			434013
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10861 WOOMERATEN, AUSTR. 34594 SYONEY, AUTTR.			10 53 30.30	.5 13 30 .6 17 30	-74 48			4340c3 845047
34595 SYDNEY - AUSTR.	260. 1.	1.	1. 56 5	16 42	-79 03			845047
34475 PUEBLA: MEX. 34481 PHOENIX: APIZ.	3730 IC		1. 41 46 7	3 23 48	.2.10			845043 845041
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34483 SACRAMENTO, CAL. 34484 SACRAMENTO, CAL.	8517 13 8517 13		13 41 14 0	5 23 24	- 0 05 16 22			64.U13
34693 KAGOSHIMA+ JAPAN	0218 10	1.2	17 27 09	7 18	-26 18			845004
34688 SAPPORO: JAFAN 34702 KAGOSHIMA: JAPAN	0245 10		17 33 41	7 49 5 02 30	-17 -41 54			845002 845002
34701 MIYAZAKI. JAPAN	0230 1	1.	19 28 28	5 04 44	-22 06			84500.
34695 KONKO: JAPAN 34698 KANAYA MACHI: JAPAN	0226 1		19 31 09.5	5 51 00 5 <b>45</b>	-12 42			6400UL 8400UL
34697 KASHIWABARA+ JAPAN 34696 YOKKAICHI+ JAPAN	0222 1	14	19 34 45	5 47 5 45	-10 - 9 24			845001
34689 MITAKA+ JAPAN	0229 1	1.2	19 32 08	7 49	- 7 44	197 12	43 00	84500 <u>.</u> 845303
34690 MITAKA: JAPAN 34691 MITAKA: JAPAN	0229 1: 0229 1:	12	19 34 45.5			170 12 123 48	59 18 63 14	845303 845303
34692 MITAKA+ JAPAN	0229 1	12	19 38 15.4			97 00	56 48	845303
34699 KANAYA MACHI+ JAPAN 34700 SAPPURU+ JAPAN	0245 1	1.	19 41 49.3	11 14	32 24 21			84500. 84500.
34694 ASAMIKAWA+ JAPAN	5201 1	12	48 42 11.3	.0 17 00	20 30			845004
10863 NAINI TAL'EN. THUIA 10868 SHIRAZ'EN. IRAN	9008 1	14	23 44 06.86	7 10 14	-15 56			434019
10864 HAINI TAL'BN. INDIA	9006 1	14	23 33 50.12	A 91 18	- 41 43		•	434013
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LOUIS SAN FERNANLLIEN. SP.	9004	10 13	3 27 40.60	7 44 24	-12 40		-	434013
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53147 SPELJAL GREECE		10 13	3 .7 30			351 30	61 24	45307
53245 EL GULLA. ALG.	6411	10 13	3 26 0 <b></b> .			17 12	25 48	845307
53246 EL GULLA. ALU. 53247 EL GULLA. ALU.	5 - 1 1 5 - 1 1	10 13	3 34 00.0			78 30	16 76	843307 843309
53198 SPETSAL GREEGE		10 13	3 10 39			202 30	59 54	845369
53199 SPEESAL. URGELE 53200 SPEESAL. UREECE		10 45	3 3 4 4 5 2 3 4 5 5			254 00	39 66 29 54	845309 845309
53201 SPETSAT, GREEK	8078	10 13	3 30 40			245 04	20	642309
53202 SPEISAL GREECE 53203 SPEISAL GREECE		40 49	3 37 48			243 00	17 10	845307 845309
53.04 SPETSAL UNGELL	8078	1 w . 9	3 40 54			240 00	6 00	842307
10865 TURACACPUN, N	1904	10 . 5	7 44 16.97	6 34 16	-16 12			434013 845643
13876 JUPITERION. FLA.	7010	1	7 13 35.0	2 05 24	-10 . *			434013
10866 CURACAD®UN, N.H.I. 34485 STATE CUELEUE, FA.	7 JUY	16 12	¥ 15 35	3 35 3 <b>6</b>	37 10		37 14	434013 2005
34486 N. CANTON UMIL	557.	1 . 3	9 . 3 5	y 47 30	1 54	139 00	3 - 12	845432
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34489 ACRAMENTU. CAL.		15 6	A:	.0 .0	1-03			041013
10911 MAUI'6%, MARAII 34490 SACRAMENTU, LAL.	+01L	:	13 3/ 43.04	6 56 56	-11 .5			434013
34491 SACRAMENTO: 2		10 19	.3 .0 .0.0	5 47 30 7 45 34				041013
10910 MAUI 'S' . MARAII		1	.5 .4 .0.41	5 33 .4	50 Ju			434013
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34563 HSINGCHU CITTATAAN 34717 KAGOUHIMAA JAHAN	125	10 .3	. y . a 55.3	<b>6</b> 05	54. 54			042044
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5347 SPETJAI. UHILL	d . 9 d	10.4	4 5 + 3.			. 4	42.4	542347
54. 8 SPETSAL - GMTELE 532 9 SMETSAL - GMME !		1 / 4	1 00 3/			6 54 35 7 30	47 JU	842907
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5321. PETDAL DRIECE 53213 PETDAL OFFEELE	5,10		* . • 35			. 17 34	J♥ U	7 ( ) + C ( + C
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54508 BESANCON FRAME	7.7	44 44	5 00 15.65			a 89 la Lul I lo	- 3 24 - 5 47	40ck+0
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54251 TAMANHADORI - ALU. 583 9 HESANCON FRANCE	4747		> 04 +3.0 > 34 53.47			344 10	40 04	, e e e e e e e e e e e e e e e e e e e
53312 BESANLON, FRANCE			5 0. 25.71			196 22	38 50	034304
53311 BESANCON - FHANCE 53312 BESANCON - FHANCE	. 127	10 14	4 04 67.64			171 . 6	4 £ 3 £	0.24307
53312 BESANCON+ FRANCE 53252 TAMANRASSET+ ALG.		10 14	> 04 29.58 5 04 43.0			. 77 09	47 37	900 mg 10 mg

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53315	BESANCON FRANCE	2127	10 14	\$ 07 18.82			137 16	99 05	834309
	BESANCEN - FRANCE	6727	10 14	5 07 45.0			22 <b>12</b> 109 3 <b>7</b>	46 56	84 <b>3</b> 309 834309
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	N. CANTUNI ONIO		10 14	5 9. • 7.7	E 41 33				842033
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34265	HSINGCHU CETTATALAN	- 5	10 44	.8 38 40.V	6 59 4.	- 5 42			043046
	PASAY CATTA PHOAD.	20.		8 .			7 0	3 C	049966
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347.	KAUCSHIMA - JAF BR			46 42 43	3 4 44	5 5 🖜			042202
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	5 BOCHUM + DIFF. 7 MEUDUN + FRANCI	4715		- 30 3	> + ° 00	10 30	174 35	ا ود هد	8450 <u>3</u> 2
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56.3	2 POT DAM. SIM.	. 7. +	5	4 37 ****	5 44 48	- 7 46			834049
	E MEULION: FRANCE E PUTSUAM: JEM:	. 7.5		4 36 33.9		- 3 12	109 33	> 0 • • >	637149
	9 MECDUM + FRAME	715		- 37	J	3 14	157 00	'4 , J4	037007
5326	O MEUDUN PRAN L	. 615	40 45	0 .0.2			147 54	>0	031447
	7 BUCHUM, GER. 3 POTSUAM, GER.	8279	10 05	4 40 47.2 4 41 0e	7 -0	4 06 3 24			043006
	1 MEDIJA FRANCE		1		0 18	3 24	134 31	4. 47	tuite0
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	8 BOCHUM - GER - 5 MEUDON - FHANCE		1 - 45	4 4 9 4 4	*) rs 48	14 90		ع <b>د</b> دو	449002
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	E NEW UMLEANS LA.	4030	10 15	10 29 06			243 00	88 00	049.04
3460	3 SOOMLPA . AUSTR.	وودار	10 11	11 41 35.4	151		196 54	25 30	845302
	6 WOOMERA'SM, AUSTR. 4 WOOMERA, AUSTR.		10 15	11 43 25.82 11 44 13.3	5 12 00	<b>-86 4</b> 9	170 06	29 42	43402 <b>3</b> 84 <b>333</b> 4
	4			11 49 29.3			1.5 30	18 12	849304
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34790 MUSASHING, JAPAN	STA NO 0235 1	0 15	11ME 16 15 38.8	R. A.	DECL.	HTUMTSA OUE	48 36	RANGE INDE
94727 MITAKA, JAPAN 10891 IDKYO'BN, JAPAN	9005 1	0 15	18 15 59.7 18 16 12.10	5 18 36	-13 58	177 48	39 24	845 <b>9</b> 0 43401
34607 TAIPET, TAIMAN 34608 TAIPEL, TAIMAN		0 15	18 18 00.6 18 19 07.1	8 11 8 34 <b>1</b> 2	10 54 18 12			84504 84504
94728 MITAKA: JAPAN 34733 KASHIWABARA: JAPAN	0729 1 0722 1	0 15	18 19 29.0 18 19 34	7 3C	7	137 36	10 14	84530 84500
44731 MUSASHIND, JAPAN	0233	0 15	18 19 34.4 18 20 29	. 50 7 53	6	135	51 00	84530 84500
34.134 TAKADA JAPAN 34.129 Mitaka Japan	0229 1		18 22 27.1	1 33	•	98 86	44 18	84530
34/32 MUSASHINO: JAPAN 10884 OLIFANTSFNIN'BN:B:AF	9002 1	10 15 1 <b>3</b> 15	18 23 23.2 19 34 33.10	15 18 48	-06 58	90	39 48	#4530 43402
35159 PRETORIA, S.AFR. 34739 KANAYA MACHI, JAPAN		10 15	19 36 13.6 20 17 58	14 4 <b>1</b> 3 25	-78 54			845 04 845 00
34735 MITAKA: JAPAN	3229 1	10 15	20 19 17.7	, .,	,	258 24	26 18	84530
34736 MITAKA: JAPAN 34738 KASHIWAMBARA: JAPAN		10 15 10 45	20 20 11.4	4 47	34	461 42	44 48	8420U
34737 MITARA: JAPAN 10893 NAINI TAL'EN: INDIA	0229 1	10 15 10 15	20 23 50.3 22 <b>1</b> 4 51.12	6 54 48	16 17	دو دند	66 >4	43401
10901 SHIRAZ®BN. IRAN 53432 STALINABAD. USSR	9000 1	10 16	0 14 27.87 0 15 15.0	7 48 06	26 46			4340 <b>1</b> 84500
53433 STALINABAD . USSR	1068	0 16	C 16 29.4 1 27 25.07	7 04 00	30 30			84500 43402
10908 VILLA DOLORES'BN.ARG 53417 EREVAN: USSK		13 le 13 le	1 54 24.7	b >0 30	40 16			84>00
53418 EREVAN. USSR 53370 SPETSAL. GREECE		10 lb	1 56 06.0	.0 .8 48	41 30	5 30	37 30	84500
\$3371 SPETSAL GREECE	8078	10 16	2 09 31.0			35	44 42	84530
53426 ERASNOLAR: USSR 53312 SPETSAL: UREELE	1027		2 10 35.7 2 1. 05.0	<b>→</b> • 7	-13 06	ياف څوو	>1 OJ	8450 <b>0</b> 8453
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53375 SPETSAL GREECE	8376	.0 16	2 44 4			.49 30		و د ده
53478 HOSTOV+ USSP 53376 SPETSAL: WHILECE	104. 807e		2 21 46.5	٥٤ (	2 4 00	.43 12	10 00	84500
3337 SPEISAL WHILLE	5070	1 6	58.0			40 36	4 00	04530
53267 MEUDON: FRANCE 53268 MEUDON: FRANCE	. /15		- 05 03.6 - 06 31.7			199 05	11 -7	)1/60 )1≸60
53269 MEUDUNE PHANCE	2715	13 16	4 7 50.3			194 13	בע עס	0371
53270 MEUDUN+ FRANCE 53271 MEUDUN+ FRANCE	27.5		4 08 3.15			171 55	4 25	. 6371
1.888 SAN FERNANDOISNE SP.	9004	4- 10	- 27 50.5U	0 40 40	8 20			4340
53279 MEUDON: FRANCE	2715 2715	10 16	4 10 07.5 4 11 04.3			183 46	36 14	03710
53274 MEUDON . FRANCE	2715	1. 16	· 12 J3.0			170 02	٥٤ در	63710
53275 MEUDUN: FRANCE 53310 EL GULLA: ALG.		10 16	4 43 37 6			40 20	30 3.	710 1000
23276 MEUDUN - FRANCE		15	· : · 0 · · ·			150 17	43 44	6371
53119 EL GULLAT ALG. 53277 MECLONT FRANCE	27,5	10.0	- 15 OU.U			. 10 . 10	J. ≒8 40 45	6371
53320 EL GULEA. ALG.	6.1.		• .5 00.0			43 24	44 00	0 453
53278 MEDION, FHANCE 53321 EL GULLA, ALG.		10 16	4 .6 .8.8			44 00	37 21	71. 6 4 5 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6
53. 79 MEUDON - FRANCE		10 10	• .7 12.0			116 31	37 34	6371 echa
53327 EL GULLA: ALG. 53280 MEUDON: FHANCE	2715	10 15	4 18 00.5 4 18 04.7			100 34	34 45	6371
53281 MELDON . FRANCE		1 6	4 ,9 1			19 53	33 50	6371
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53324 EL GULLA, ALU. 53283 MEUDUN: FMANCE		. 10	4 21 30.0			46 40 68 35	16 06	0423
53325 EL WULLA. ALG.		10 15	4 2 00 0			47 00	12 30	0 4 2 3
53284 MEUDON. FRANCE 53326 EL GULLA. ALD.		16 16	4 22 55.9			01 30	10 10	17t6
53285 MEUDON: FRANCE	. 115	10 .6	4 13 11.4			80 34	د ک د ک	6371
13903 JUPITER BN. FLA. 34500 MILNAUELL - HISC.		10 16	8 30 .7.1.	<b>6</b> 18 30	- 1 49	.37 4.	15 12	4340 641
34501 MitwAUREL - #1s.		10 16	8 35 06.8			114 1-	16 1.	6413
34502 MilmAUFEE : #15C . 34596 SYDNEY : AUSTH.		10 10	8 39 06.6 9 11 37	.4 58	-42 10	1. 30	44 44	0413
34397 SYUNE . AUSTR.	3002	10 16	9 13 .3.9	.5 07	-57 06			8450
34598 SYDNEY, AUSTA. 34503 Milhauree, misc.		10 16	y .5 10	45 44	- 79 06	173 36	<b>+6</b> 36	0 45 d 0 4 1 3
34504 MIGHAUREET HISE.	0074	10 10	10 09 00				01 4C	6+1:
34505 MILWADILL HIST. 34599 SYDNEY: AUSER.		10 16	10 13 04.8 11 .6 97	.0 58	-66 4.	80.30	48 44	0413
34616 TOWNSVILLE - AUSTP.	857e	19 16	11 24 28-1			149 43	11 20	0 - 5
34559 SAN JOSE (AL. 34570 SAN JOSE (AL.		10 16	11 59 30.3		- 5 32 - 1 13			8450
\$3504 SPOLANE, WASH.	#142	10 16	1. 03 03.0	8	- 1 13	174 24	34 24	045
34506 CHINA LAKE, LAL. 34507 DENVERS CULL.		10 16	1 0 10 1			142 32 . 229 <b>3u</b>	30 44 5	8422
53605 SPOKANL. WASH.	8144	io Ci	14 30 57.3			132 34	44 44	8 45
10713 MAUITUNO MARAIT .		10 16 10 16	13 53 14.71	3 42 34	8 1.	: 7.7	36 10 11 .	4.34.0 2 845.5
53807 SPURANE, WASH.	8142	10 16	14 10 22.7				36 16 31 1	8493
34617 FAIPEL TATWAN 34909 KAGOSHIMA JAPAN		10 16	17 50 22.3 17 51 56.6	7 40	5			8450
34910 KAGOSHIMA+ JAPAN 35160 PPETURIA+ 5.AFR+	0218	10 16	17 53 02.7	7 08 30				8450
	8575	10 16	19 11 42.8					8450

OHS NO STATION 53756 VLADBVOSTON, USSR 53757 VLAOBVOSTON, USSR 10916 SHIRAZ'VEN, IRAN 53415 TACHKENT, USSR 53427 STATINABAD, USSR 53427 STATINABAD, USSR 53416 TACHKENT, USSR	\$1A NO 1013 1013 9008 1075 1068 1068 1075		11ME 19 59 26e0 19 38 55e9 23 40 66e19 23 49 54e4 23 59 26e4 23 50 27e9 23 5e 14e4	R. A. 5 28 36 7 36 30 5 47 18 5 11 00 5 66 24 5 43 12 7 47 00	5 42 24 24 8 11 2 46 12 30 15 48 26 24	n <b>juni s</b> a	ALTHOUL	845009 845009 845009 845009 845009 845009
13972 VILLA DOLORES'BN.ARG 53927 EL GULLA. ALG. 53928 EL GULLA. ALG. 53330 EL GULLA. ALG. 53331 EL GULLA. ALG. 53332 EL GULLA. ALG. 53378 SPETSAT. GREECE	0-11	10 47 10 17 10 17 10 17 10 17 10 17 10 17	1 10 35.44 1 41 00.0 2 42 00.3 1 43 00.0 1 44 00.0 1 45 00.0 1 46 05.0	4 15 16	-27 25	76 24 90 12 64 30 80 06 75 34 71 54 321 34	23 00 21 12 10 54 16 18 13 42 11 06 48 30	434023 905048 905048 905048 905049 905048 906048
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10974 MAUTIBN: MAWAII 35161 PRETORIA: S.AFR. 34912 KAGOSHIMA: JAPAN 34913 KAGOSHIMA: JAPAN 34626 HSINGCHU CITY:TATWA	3218	10 17 10 17 10 17	18 44 55.5 46 44 55.5 47 25 47 47 26 37.5 47 27 50.0	4 41 46 4 03 6 47 12 7 07 12 8 19 24	-61 44 -5 18 -0 36 13 42			43401 <b>3</b> 542042 5420 <b>3</b> 2 54206 645042
34911 YATSUSHIRO: JAPAN 34914 KAGOSHIMA: JAPAN 34916 KASHIWABARA: JAPAN 34917 MIYAZAKI: JAPAN	0218 0218 0222 0230	10 17 10 17 10 17 10 17	17 30 16 17 31 12.8 18 30 36 18 34 41.3	d >3 00 4 57 9 49 00	17 48 32 54 30	90 CC	23 24	84>3 <b>02</b> 845002 845002 845002 845002
34915 YOKKAICHI: JAPAN 35162 PRETOPIA: S.AFF: 19924 OLIFARISFNIN'UN:S.A	8575	10 17	18 41 34 18 47 41.3 18 31 23.10	5 43	-75 00 -48 42			845042 434023

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34628 HSINGCHU CITY TATHAN	0505	10 17	19 28 30.4	6 34 12	41 18			845042
53750 VLADIVOSION USSR 34919 VATSUSHTRUN JAPAN		12 17	19 36 07.9	> >> 36	6 <b>63</b>	0 60	42 46	845009 84530 <b>2</b>
54918 MANAYA MACH! JAPAN 51759 VEADIVESTOL - MASK	6223	10 47	16 34 50	<b>5</b> 55	4.5 28 48			845002
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35163 PRETURIA. S.AFR.	0075	1- 47	10 46 .5.8	4 03 18	-34 46			<b>8</b> 4504 <i>8</i> 434013
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34927 KAGOSHIMA - JAPAN 34927 HITAKA - JAPAN	0218	10 18 10 18	17 02 29	7 35 18	3 6	128 24	39 24	845002 845303
34923 MITAKA. JAPAN	0229	10 18	17 04 23.1			109 36	37 12	845303
34926 YATSUSHIRO, JAPAN 14933 TOKYO'UN, JAPAN	9272	16 18	17 04 29 17 05 32.60	7 53 18	12 48	90 00	20 30	845302 3 434013
34924 MITAKAS JAPAN	w229	10 18	37 05 42.4	• ,,		98 18	33 42	845303
34975 SAPPONO. JAPAN 35164 PRETORIA: S.AFR.	0245	10 18	17 09 25 18 16 09.4	8 50 14 19	12 24 -58 12			845002 845042
35165 PRETURIA S.AFR.	8575	10 18	18 21 07.0	6 51	-80 06			845042
10936 OLIFANTSFNINGNIS.AF		10 18	18 24 27.10		-56 41			434023
34942 KAGOSHIMA: JAPAN 34978 MITAKA: JAPAN	3218 3229	10 18	19 02 16 19 03 05:0	4 25	21 36	246 18	49 24	845002 845303
34935 KANAYA MACHI. JAPAN	0.220	10 18	19 03 37.0	4 22	22 48			845002
34939 MIYAZANI. JAPAN 34938 Yatsushiro. Japan	0230 0272	12 18	19 03 51.5 19 04 04	5 12 00	32 36	180 00	89 18	845002 845302
14937 TAKADA JAPAN	9250	10 18	19 04 25	7 26	₹0	100 00	0, 10	845002
34929 MITAKA: JAPAN 53768 KHABARUDSK: USUR	3229	8	19 05 32.4			26: 00	71 06	845303
34933 MUSASHINGE GAPAN	1359	10 15 10 16	49 06 06.4			270	43 06 78	845309 845302
34934 MUSASHING JAPAN	0233	13 48	19 07 05-0			315	E1 36	045304
1,34 TORYUTUN, JAPAN 34930 MITAKA, JAPAN	0458	10 16 10 16	19 07 12.30 19 08 37.4	5 47 42	42 58	ن و ۱ ق	71 24	£10464 £06648
\$3768 KHABARLOJK . USSN	1059	13 18	14 08 43.5			326 00	44 48	845309
34931 MITAKA: JAPAN 34936 SAPPORO: JAPAN	0229	10 18	19 14 04.4	10 46	37 24	47 12	49 30	845303 845002
34932 MITAKAN JAPAN 53769 CDESSAN USER	02.79	10 18	20 23.4	.0 10	37.4	56 36	3 24	845303
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53765 BLAGOVESTEHENSKIUSSE 53770 DDESSAI USSA	1013	12 18	21 05 10.2	10 51 30	6 30			845009 845009
34751 BAGUIO CITY. PH.15.	0504	10 15	41 13 24			19 54	1.4	842304
13766 BLAGUVES - HENDA + USSE	90 <b>.</b> 8	10 le	22 57 41.5	7 10 36	30 30			845009 610464
53 TOB STALINARAD. USSA	1.00	1	57 55.0	4 52 00	2 12			845009
53787 STALINAHAD + USSK 53788 STALINAHAD + USSK	1068	10 18	. 5 00 25	06 64 6	10 18			845009 845009
53789 STALINABADI USSK	1,56	10 18	23 02 57.	7 57 06	29 24			845009
34613 ANTOFAGALTA. MILL	0 0 0 4	10 19	C C6 39.9	13 20	-6- 11			845042
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53790 ASTRAKHAN+ USSR 53791 ASTRAKHAN+ USSR		10 19	. 03 03.4	7 31 14	22 00			845009 845009
53776 EREVAN. USSF	1018	10 17	09.9	9 26 24	36 42			845009
34614 ANTOFAGASTA: MILL 33779 TIMERYUNITSY: JIN	1362	.5 14	. 13 04	15 53 5 34 18	-01 LO			84500Y
53780 TCHERNOLLIUTE CLUR	1.62	1 - 17	3.00 19	6 07 48	14 14			845009
53771 ODESSA: USSR	, 1036	10 17	3 02 48	7 08 00	30 18			845009
53780 TCHERNOLLIDT COUR 53771 CDESSA CSSR 53784 TICHINEV COSSR 53773 NIKOLAEV COSSP		13 19	3 03 3.00	7 57 18	.5 36 31 36			845009 845009
53782 _VOV+ UssR	, 31	13 49	3 -3 -5.	8 34 00	22 06			845009
53785 KICHINEFF USSR 53783 EVOVF USSR		1. 17	1 05 28.0	9 14 24	23 54			845009 845009
53772 DUESSA+ USSA	103, .036 .023 1070 1070 .277 .7.7	13 19	3 5 32.6	7 AL DU	36 14			845009
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53774 MIROLAEVA USUP 53503 BESANCONA FRANCE	2577		3 10 38.7		26 12			845009
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536 JR BESANIUN FRANCE	27.7	10.19	> 07 18.35			82 36	39 22	834309
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34624 # DOMERA+ AULTH.	0603	1 - 1 +	4 27 1 b	14 04	-59 00	100	<b>U</b> 1	. 845042
34525 #OOMERA: AUSTR.	∪ <b>5 ⊌</b> 3	15 19	. U . 3 08	3 30 4 54 00	-64 12 31 02			845042
34635 PHOENIX ARIZ		10 19	10 46 53.20	7 44	37 42			434013 845043
10937 ADOMERATION - AUSTR.	4003	10 ,9	57 .0.24	13 57 42	-59 59			434023
34636 #OOMERA, AUSTR. 10743 #DOMERA!BN, AUSTR.	2003 1203		11 98 49	. 4. 30	-66 43	224 36	9 18	845302 434023
34637 #OOMEPA. AUUTH.	0003		12 07 17.7	2 30	30 43	101 24	42 18	845302
34538 #OOMEPA, AUSTA	3603		12 68 4			131 12	39 36	845302
34639 CHINA LANÉ+ LAL. 34640 SACRÁMENTO+ LAL.	0098 8517		12 47 14.8			. 76 37 . 0 00	14 36 45 0 79 14	606140 006140
54889 SPOFANE, MACH.	8 142	10 19	12 50 51.5			266 18	60 36	845309
54885 SPOTANCE FASH. 34641 SACRAMENTO CAL.	814z 8517		12 52 64.0			0 00	66 39 3 54 26	6 845309 641304
53719 TULEAR, MDGGCR.	6434	10 19	15 49 30.0			184 00	12 42	. 845309
53720 TULEAR HOGGER. 53721 TULEAR HOGGER.	6404		19 50 00.0			178 42	12 40	845309
53722 TULEAR MUGSER.	6494	1- 49	19 51 00.0			171 24 163 40	13 12 12 24	8 4 5 3 0 9 8 4 5 3 0 9
3723 TULEAR MOGULA.	6404	10 19	15 53 00.0			156 42	11 30	845309
34941 KAGOSHIMA+ JAPAN 34945 KAGOSHIMA+ JAPAN	0218 0218		16 40 54	5 23 30	17 00 30 36			845002 845002
34943 KANAYA MACHE. JAPAN	0220	10 49	18 38 Gc	5 12	30 24			845002
34942 KASHIWABARA: JAPAN 34944 SAPPOPO, JAPAN	0222		18 40 13 18 50 1744	ە5 56 11 <b>ئ</b> 6	37 31 30			84500Z 84500Z
34755 DUEZON CITY: PH.15			20 34 40		J1 30	310	2.2	845302
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34642 TAIPEI+ TAIHAN	0502	10 19	40 44 22.3	10 54	80 30			845044

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33993 ROSTOVI USSR	1041	10 21		00.4		38		34		~~ 1~		-		, ,	-	845008
53703 MEUDON, FRANCE 53734 SPETSAL, GREECE	2715 8078	10 21		08.50						81 237			18			637109 845368
33735 SPETSAL GREECE	8078	10 21		47.3						238			2 00			845308
53736 SPETSAL GREECE	8078 8078	10 21		7 29.5						234			₩ 62			843307 845307
55737 SPETSAL GREECE 53738 SPETSAL GREECE	8078	10 21		09.5						238			2 18			845307
55739 SPETSA1. GREECE	8078	10 21		26.3						238			. 00			843306
53740 SPETSAL: GREECE 55741 SPETSAL: GREECE	8078 8078	10 21 10 21		14.5						238			6 12 3 00			843307
55994 ROSTOV. USSR	1041	10 21	2 2	35.7	12	50	18	22	50		• •		• • •			843007
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53744 SPETSAL, GREECE	8078	10 21		\$0.5						130	18		7 00			843307
53743 SPETSAI, GREECE 55746 SPETSAI, GREECE	8078	10 21		2 12.5 5 37.5						147			2 12			843307 845387
53747 SPETSAL GREECE	8078	10 21		46.5						189			2 00			845309
53748 SPETSAL, GREECE 53749 SPETSAL, GREECE	8078	10 21 10 21	• 10	5 56,5 8 12,5						224		3	8 18 3 24			845309
34653 ST. PETERSBURG. FLA.	0121	10 21	7 5			09		43								845032
34654 ST. PETERSBURG: FLA. 54219 MADISON: WISC.	0121 5070	10 21		1 50 5 39.0		22	24	**								845932 637067
10955 ORGAN PASS'BN. N.H.	9001	10 21		4 20.40	•	•1	84	35	07		••			••		434013
34655 OENVER: COLO. 10954 JUPITER'BN: FLA.	8582 9010	10 21 10 21		0 04.8	2	29	42	42	47	•0	30	,	1 43	00		434613
34740 CINCIMMATI: OHIO	8 555	10 21	10 0	2 38						359			7 12			843302
34657 FT. BELVOIR. VA. 34653 SILVER SPRING. NO.	0077	10 21 10 21		5 09.0 4 45.8						315	54		4 18 8			845302 845502
54659 SILVER SPRING, MD.	0032	10 21		7 53.6		00		57								845002
54742 PHOENIX: ARIZ. 34743 PHOENIX: ARIZ.	8576 8576	10 21 10 21		6 46.4		55		38 52								845045 845043
34767 MELBOURNE - AUSTR.	0604	10 21	11 1	5 18				_		180	00		9 34			845302
54761 WOOMERA: AUSTR. 10957 WOOMERA!BN: AUSTR.	9003	10 21		8 12.0 9 23.10	3	33	42	-29	05	119	00	•	8 36			845502 434023
54762 WOONERA AUSTR.	0603	10 21	11 1							110			4 00			845302
34662 SACRAMENTO, CAL. 34665 CHINA LAKE, CAL.	8517 8588	10 21 10 21		7 57.9 8 28.2							0C 37		1 22			641304 84 <b>5</b> 303
34664 CHINA LAKE: CAL. 10956 ORGAM PASSIBN: M.M.	9001	10 21 10 21		8 28.5 9 12.60			3.6	52	. 1	3 <b>3 3</b>	37	12	1 07	4 5		641303 434013
34656 OEMVER. COLO.	3582	10 21		0 31.8	•	. ,,	0	22	• )	294	00		0 45	00		845303
34766 ADELAIDE: AUSTR. 54663 SACRAMENTO: CAL.	9600 8517	10 21		4 35.4						246	15		0			845302
34959 MITAKA JAPAN	0229	10 21 10 21		0 06.4							06		6 14			845303
34960 MITAKA, JAPAN	0229	10 21		1 32.3							36		5 54			8-5303
34961 MITAKA+ JAPAN 34962 SAPPORO+ JAPAN	0229 0245	10 21 10 21		3 22.2	8	8 44	,	12	12	/ 4	4.8		2 24			845303
53861 TULEAR, MADAG.	6404	10 21		30.0						192			1 18			845309
53862 TULEAR: MADAG. 53863 TULEAR: MADAG.	6404 6404	10 21		00.0						189			2 18			845309 845309
53864 TULEAR. MADAG.	6404	10 21		3 00.0						175			6 18			845309
53865 TULEAR: MADAG. 53866 TULEAR: MADAG.	6404	10 21 10 21		00.0 00.0						157			17 54 18 36			845309 845309
53867 TULEAR + MADAG.	6404	10 21		6 00.0						150			8 .54			845309
53868 TULEAR: MADAG. 53869 TULEAR: MADAG.	6404	10 21		00.0						142			18 18 17 18			845309 845309
53870 TULEAR - MADAG.	6404	10 21		9 00.0						127			5 41			845309
53871 TULEAR; MADAG. 10966 TOKYO:BN: JAPAN	9005	10 21 10 21		13 00.0		5 15	4.	30	1.2	124	42		13 54	•		845309 434013
34963 MITAKA: JAPAN 34964 MITAKA: JAPAN	0229	10 21 10 21		98 31.7 50 12.8						136	36 06		70 11			845303 845303
34965 MITAKA: JAPAN	0229	10 21		38.5							٥٥		57 0			845303
34967 SAPPORO: JAPAN 34966 ASAHIKAWA: JAPAN	0245	10 21 10 21		94 40.0 9 13.2		9 28			18							845002 845002
53872 TULEAR. MADAG.	6404	10 21	19	30.0	•			. ,	. •	207			17 5			645309
53873 TULEAR: MADAG. 53874 TULEAR: MADAG.	6404	10 21		06 00.0						205	36		25 00			845309 845309
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53876 TULEAR+ MADAG. 53995 BLAGOVESTCHENSK+USSI	6404			09 00.0 50 34.8		5 25	5 00	1.2	36	90	06		3,8 1	3		845309 845009
34973 KASHIWABARA+ JAPAN	3222	10 21	19	51 06		3 1.	3	51								845002
10967 TÖKYO!BN: JAPAN 34968 MITAKA: JAPAN	9005			51 51.10 51 55.8		3 0	7 24	48	50	307	06		45 5			434013 845303
34971 ASAHIKAWA+ JAPAN	0201	10 21	19	53 56 . 2		5 00	0 00	41	30							845002
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34754 BAGUIO CITY. PH.IS.	0504	10 21	19	56 53.5						28	06		5 1			845302
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34972 YOKKAICHI+ JAPAM	0258	10 21	19	59 28	1	2 4	8	55	,							845002
34975 SAPPORO, JAPAN 10968 NAIME TAL'BN, IMDIA	9006			59 58.2 44 27.62		1 3	3 2 48		34							845002 434013
53986 TCHITA+ USSR	1064	10 21	2 1	54 24.0		7 2	2 30	27	36							845009
53989 TASHKENT: USSR 10970 SHIRAZ'BN: IRAM	1052 9008			31 24.1 42 25.46			6 00 9 06		48							845009 434013
55990 BATUMI . USSR	1009	10 21	23	43 59.4	è	9 7	٤	48	36					٠		845009
53987 EREVAN+ USSR 54004 STALIMABAO+ USSR	1018			44 26.3			1 00 2 00		48							845009
53988 EREVAM. USSR	1018	10 21	23	45 06,3		8 0	5 30	2.7	36							845009
54000 STALINABAO, USSR 54005 STALINABAO, USSR	1065			45 13.8 45 42.3			8 <b>24</b> 5 00		54 30			٠				845009 845009
53991 BATUM1 . USSR	1009	10 21	23	46 20.5	2	6 7	0	34	48							845009
54001 STALINABAO. USSR 54002 STALINABAD. USSR	1068			47 27.6 50 00.7			8 42 8 18		2 36 2 12							845009 845009
54006 STALINABAO. USSR	1047	10 21	23	50 49.3		9 4	5 00	5 7	7 48							845009
54007 STALIMABAO. USSR	1047	10 21	23	50 56.3		9 5	7 00	5 1	00							845009

OBS NO STATION 54003 STALINABAD. USSR 54008 STALINABAD. USSR 54009 STALINABAD. USSR 34770 ANTOFAUASTA. CHILL	1068 10 21 1067 10 21 1047 10 28 4347 10 28 3804 10 21	TPME 29 82 15.5 28 93 05.1 23 53 24.3 29 58 48.1	R. A. 11 03 06 10 57 30 11 42 00 8 36	DE46. 52 30 54 48 47 36 -85 25	AZ IM <b>UTH</b>	ALTITUUL	MANUE	##UEX 845009 845009 845009 84504#
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34060 MILWAUREL WISE. 34067 MILWAUREE WISE. 34068 MILWAUREE WISE. 34235 MADISON WINE. 14983 ORSAN PASSION N.M.	074 13 2 074 10 2 074 10 2 074 10 2 5278 10 26 9001 10 26	7 14 23 7 7 14 37 7 14 43 0 4 33 14 4 0	3 54 06 7 21 54	9 00 19 11	92 06 85 54 17 30	20 %2 20 %2 1% 00		641304 641304 641304 637007 434043
34669 DENVER: COLD. 34772 #ICHITA, KAN. 54233 MADIJON: #ILC. 34671 NEW ORLEAN - LA. 34773 KOANDEL: AA.	858 10 2. 0018 10 1. 1078 10 1. 1084 10 2.	9 1, 17.4 9 1, 44.0 10 14 38.2 9 34 29	5 ng 29 5 28 00 6 11 09	32 57 25 15	1,2 40	56 36 50 30		843303 843043 637307 843302
34000 SIEVER DERITOR ME. 3474, CINITANATI. UHIC 54234 MADISON. MIT. 34001 SILVER SPRING. MU. 10959 MODERATOR. AUTTO.	003. 1 35 8555 10 2. 5076 10 1. 23. 10 1.	0 30 60 V 35 44 4 35 55 0 4 30 10	3 58 5 47 24 . 55 . 4	40 03 33 54 -75 54	331 45	o. 54		84996. 849302 637307 849302
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14443 EAGLIMIME, ALAN 14776 TAJPET, TAJPAN 14783 MJERKA, JAFAN RANNO TASMEMBARAK JAPAN 34992 SAPPURC, JAFAN	216 17 a		3 . 13 . 30 33	30 67 06 51 26 30	285 24	36 .6		84>60. 54>042 54>3@3 845002 845002
34987 MUSADHAM - JADAN 34986 ASAMARAH - JADAN 34377 TAIDES - NAJAN 34984 METAKA - IATAN 34989 YUSAAAN - JADAN NASBA MUSAJHAM - JADAN	0.0 12 .a	. 4 . 6 . 4 . 5 . 5 . 6 . 7 . 0 . 3 . 5 . 6 . 4 9	4 17 06 .0 46 90 7 35	34 24 70 00 73	3,5 00	20 30 23 44 23 30		545004 545004 54504 54500 54500 54500 54500
34991 KANATA MACHI, JAPA 34985 MITAKA JAPAN 34899 BAGUIC CITY, PHOIS 34870 BAGUIC CITY, PHOIS 34871 BAGUIC CITY, PHOIS 10971 SMIPAZ'BN, IRAN 13969 NAINI IALIES, INDI	904 10 4 504 12 4 504 12 4 104 10 4 105 10 4	49 40 35 47 24 13 65 61 49 63 61 66 87 65 64 46 87 64 17 60 697 44 44 88 65	10 69 30	82 27	24 54 331 .4 342 27 34 29 39 34	10		843602 843302 843302 843302 8434013 434013
54277 FRUNZE, GESF 54278 FRUNZE, GESF 54279 FRUNZE, WISE 54280 FRUNZE, WISE 53901 SPETSAT, GR.	1958 19 24 1958 19 24 1958 19 24	44 67 45.0 43 48 39.6 43 46 59.6	9 30 00 10 23 30 11 31 60 11 50 00	46 34		40 23		845009 845009 845009
53901 SPETSAT. GR. 53903 SPETSAI. GR. 53903 SPETSAI. GR. 10972 SHIRAZ'UN. IRAN 53904 SPETSAI. GR.	8076 10 23 8076 10 23 8076 10 23 9006 10 23 5076 16 23	1 18 37.0 1 .0 59.0 1 /4 .4.05	2 50 00	71 49	253 82 247 30° 240 54	60 00 49 54 33 00 <b>23 24</b>		834309 834309 834309 434363 834369

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539D5 SPETSAL GR.	8078	10 23	1 24 58.0			239 12	10 30	834309
53906 SPETSAL. GR.	8078	10 23	1 25 56.0			238 54	11 DO	834309
539D7 SPETSAL GR.	8078	10 23	1 26 51.0			238 36	8 00	834309
53908 SPETSAL GR.	8078	10 23	1 27 51.0			238 30	4 42	834309
53910 SPETSAL+ GR. 53911 SPETSAL+ GR.	8078	10 23 10 23	3 14 <b>39.5</b> 3 15 27.5			101 00	33 12 37 12	834309
53912 SPETSAL GR.	8078	ID 23	3 16 11.0			109 00	41 00	834309
53913 SPETSAL GR.	8D78	10 23	3 19 05 D			139 30	50 12	#34309
53914 SPETSAL: GR.	8078	10 23	3 20 11.0			158 30	57 48	834 309
	5702	1D 23	3 20 49.7	7 34 00	35 45		2	634042
	807E	10 23	3 21 05.0			175 06	37 18	834309
	8078	10 23	3 22 31.5 3 23 10.5			198 00 205 54	52 30 49 12	834309 834309
53918 SPETSAL GR.	8078	10 23	3 24 36.5			218 42	41 18	834309
53919 SPETSAL+ GR.	8078	10 23	3 25 26.0			223 48	36 42	834309
53920 SPETSAL. GR.	8078	10 23	3 26 00.5			226 48	33 64	834309
53921 SPETSAI - GR.	8378	10 23	3 27 06.0			231 24	28 00	834309
53922 SPETSAL GR.	8078	10 23	3 28 21.0			235 30	21 42	834309
53923 SPETSAL+ GR. 53924 SPETSAL+ GR.	8078	10 23	3 29 49.0 3 30 16.0			2 <b>39</b> 06 240 00	16 00 14 00	834 <b>9</b> 09 834309
53925 SPETSAL. GR.	8078	10 23	3 31 08.0			241 42	11 12	834309
53926 SPETSAL+ GR.	8078	10 23	3 32 05 0			243 18	£ 00	83430y
53927 SPETSAL, GR.	8278	10 23	3 33 06.0			244 54	4 54	834307
	9010	10 23	9 07 32.40	2 14 12	57 10			434013
34745 DENVER: CDLO. 34774 ROANDKE: VA.	8582	10 23	9 08 42.6 9 09 01	5 44 6:	56 42	85 -6	39 45 00	845303
	0033	10 23	9 11 35	5 46 C2 5 55	54			845002
34779 SILVER SPRING. MD.	0032	10 23	9 11 49			Q	72	84530.
10961 WOOMERA 'BN . AUSTR .	9003	10 23	10 22 08.01	3 06 18	-74 27			. 434023
34769 MELBDURNE . AUSTR.	0604	10 23	10 22 42			100	60 15 00	845302
34782 TOWNSVILLE AUSTR	8578	10 23	10 27 02.1			49 26	17 37	845302
34783 TOWNSVILLE: AUSTR. 34784 SACRAMENTO: CAL.	5578 8517	10 23	10 27 04.1			180 00	11 >2 a1 16	84730Z
34746 DENVER , COLO.	8582	10 23	11 37 15.6			278 12	61 44	845303
10965 ORGAN PASSIEN. N.M.	9001	10 23	11 07 59.37	3 41 30	62 31			434013
34615 NEW ORLEANS. LA.	0030	10 23	11 14 17.5			0 00	36 00	845302
10962 WOOMERATBN. AUSTR.		10 23	12 27 31.36	0 07 18	-39 39			434023
34785 SACRAMENTO: CAL.		10 23	13 11 42.0		1.1.6	0 00	≥6 ~3	641304
34994 SAPPORO, JAPAN 34995 SAPPORD, JAPAN	0245	10 23	15 02 47.6 17 01 07.4	8 40 30 7 57	12 54 35 <b>4</b> 2			845002 84500.
53816 TULEAR HADAG.		10 23	18 12 00.0			210 36	7	545307
53817 TULEAR. MADAG.	6404	10 23	16 13 00.0			208 42	9 10	845309
53818 TULEAR. MADAG.	6404	10 23	18 14 90.0			205 30	13 42	8 <b>4</b> 5307
53819 TULEAR: MADAG.	6404	10 23	18 15 00.0			201 54	17 42	845309
53820 TULEAR. MADAG.	6404	10 23	18 16 00 0			197 36	22 30	845309
53821 TULEAR: MADAG: 53822 TULEAR: MADAG:	6404 6404	10 23	18 17 00.0 18 15 00.0			191 24 183 54	27 30	545309 845309
53823 TULEAR, MADAG.	6434	10 23	18 20 00.0			160 36	4. 54	845309
53824 TULEAR, MADAG.	6404	10 23	18 21 00.0			146 36	45 30	845309
54097 VLADIVOSTOK . USSR	1013	10 23	18 58 50.9	4 46 30	31 24			845009
34996 ASAHIKAWA: JAPAN	0201	10 23	19 01 43.0	> 01 30	<b>4</b> 2 00			845004
54098 VLADIVOSTOK, USSR	1013	10 23	19 05 11.6	10 15 06	41 46			845009
34998 KANAYA MACHI: JAPAN 34997 YOKKALCHI: JAPAN	0220	10 23		12 00	40			845002 845002
34872 BAGUIO CITY. PH.15.	0504	10 23	20 58 +3 +5	12 /	45	334 36	1.2	845304
34815 HSINGCHU CITY+TAIWA		10 23	20 58 44.8	0 1.	61 42			845042
34873 BAGUIO CITY: PH:15:	3534	10 23	21 02 19.5			353 55 .	2 11 36	845302
35000 YATSUSHIRO, JAPAN		10 23	21 53 10		51.75	330 00	34 18	845302
34816 HSINGCHU CITY+TAL=A: 34874 BAGUIO CITY+ PH+IS+		10 23	21 03 20.3	23 57	87 06	10.63	9 66	845042 845301
34999 YATSUSHIRO. JAPAN		10 23 10 23	21 05 37			3 00	38 00	845302
54286 FRUNZE . USSR	1058	10 23	22 28 53.3	4 47 30	34 12		2000	845009
54287 FRUNZE. USSH	1058	10 23	22 30 10 . 1	5 52 30	<b>40 4</b> 8			845009
54288 FRUNZE + USSR	1058	10 23	22 30 59.1	6 13 00	45 12			845009
54289 FRUNZE - USSF	1058	10 23	22 32 05 05	7 •2 00	46 12			845009
54290 FRUNZE+ USSR 54291 FRUNZE+ USSR	1058 1058 1058	10 23	22 33 59.9	9 32 00	46 06 44 54			845009
54281 FRUNZE - USSR	1058	10 .	22 53 22.5	3 43 00	24 00			845009
54083 STALINABAD, USSR	1066	19 23	22 54 35 3	5 21 00	45 54			845009
54084 STALINABAO - USSR	1068	10 23	22 56 10.2	7 00 36	53 18			845009
54082 STALINABAD . USSP	1047		22 58 36.8	9 31 00	52 06			845009
54282 FRUNZE+ USSR 54085 STALINABAD+ USSR	1058 1068	10 23	23 00 35+2 23 00 44+6	9 52 00	45 42 45 36			845009 845009
54283 FRUNZE + USSR	1058	10 23	23 01 36.6	10 31 30	42 36			845009
54284 FRUNZE . USSR	1058	10 23	23 02 0845	10 50 00	-1 00			645609
54285 FRUNZE . USSR	1058	10 23	23 03 47.3	11 36 30	35 00			845009
34786 ANTDFAGASTA CHILL	0804		0 03 55.0	13 04	-71 43			845042
34787 ANTOFAGASTA: CHILE 10977 VILLA DOLORES:BN.AR	0804		0 <b>3</b> 9 32+2 0 14 45+ <b>0</b> 0	4 01 3 09 12	-61 11 -17 06			84504 <b>2</b> 434013
10977 VILLA BOLORES BN. AR	9009		C 54 47.07	2 37 12	70 22			434013
34788 ANTOFAGASTA. CHILE	0804	10 24	2 06 56 1	16 56	-55 26			845042
34789 ANTOFAGASTA: CHILL	€804	10 24	2 08 04.4	17 50	-64 43			845042
3479D ANTOFAGASTA+ CHILE	0804	10 24	2 09 43.7	16 >3	-67 05		40.13	843044
53704 MEUOON+ FRANCE	2715		2 48 39.40			174 17	20 39	637109 637109
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53928 SPETSAT, GR.	8078		2 50 18.0			109 •8	41 00	634309
54088 TCHERNOVITSY, USSR	1062		2 50 56.0	4 21 36	22 36			845009
53707 HEUDON+ FRANCE	2715	10 24	. 2 51 13.60			135 00	23 36	637109
53708 MEUDON FRANCE	2 715		2 52 OD • 50			123 33	51 33	637109
53709 MEUDON FRANCE	2715		2 53 14.70			108 54	46 24	637109
53929 SPETSAL+ GR.	8078		2 53 24.0 2 54 13.60			153 42 100 17	. 59 36 41 34	834309 6 <b>371</b> 09
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53711 MEUDON, FRANCE 53931 SPETSAI, GR. 53712 MEUDON, FRANCE 54089 TCHERNDVITSY, USSR 53713 MEUDON, FRANCE 53932 SPETSAI, GR. 53714 MEUDON, FRANCE 53933 SPETSAI, GR. 53715 MEUDON, FRANCE 53934 SPETSAI, GR. 53717 MEUDON, FRANCE 53935 SPETSAI, GR. 53717 MEUDON, FRANCE 53936 SPETSAI, GR. 53718 MEUDON, FRANCE 53936 SPETSAI, GR. 53937 SPETSAI, GR. 53849 MEUDON, FR. 53850 MEUDON, FR. 53851 MEUDON, FR. 53853 MEUDON, FR. 53854 MEUDON, FR. 53855 MEUDON, FR. 53857 MEUDON, FR.	SIA NO DATE  2715 10 24  8078 10 24  2715 10 24  1062 10 24  2715 10 24  8078 10 24  2715 10 24  8078 10 24  2715 10 24  8078 10 24  2715 10 24  8078 10 24  8078 10 24  8078 10 24  8078 10 24  2715 10 24  8078 10 24  2715 10 24	TINE  2 55 12.20 2 55 57.00 2 56 03.40 2 57 06.4 2 97 14.70 2 57 38.0 2 58 45.0 2 58 45.70 3 00 11.30 3 01 28.00 3 02 15.20 3 02 15.20 3 02 15.20 3 03 60 16.0 4 46 57.70 4 50 03.30 4 51 07.40 4 53 58.90 4 53 58.90 4 53 58.90 4 53 08.70 4 53 08.70 4 53 08.70 4 53 08.70 4 53 08.70 4 53 08.70 4 53 08.70 4 53 08.70 4 53 08.70 4 53 08.70 4 53 08.70 4 53 08.70 4 53 08.70 4 53 08.70 4 53 08.70 4 53 08.70 4 53 08.70 4 53 08.70 6 56 07.30	R. A. ₹ 12 ∃ <b>0</b>	<b>3</b> 8 48	AZ BMUTH 93 48 89 24 89 24 84 43 44 43 45 44 65 45 67 20 77 29 43 40 43 40 73 29 29 30 29 30 29 43 20 47 20 57 20 57	ALTITUE 35 30 30 34 39 34 43 44 45 45 45 45 45 45 45 45 45 45 45 45	037109 834309 837809 837809 834309 837809 834309 834309 834309 834309 834309 834309 834309 834309 834309 834309 834309 834309 834309 834309 834309 834309
5386C MEUDON, FR. 55825 RODEWISCH: GER. 55826 RODEWISCH: GER. 55827 RODEWISCH: GER. 34775 ROANGE: VA. 10976 JUPITER: BN. FCA. 34791 CINCINNATI: GHIO 34780 SILVER SPRING: MD. 54236 MADISON: HISC. 34792 DENVER: COLO. 34794 NEW ORLEANS: LA. 34609 ROCHESTER: N.Y. 34795 WICHITA: RAN. 10978 #COMERA'BN. AGSTM. 34793 OENVER: COLC. 53947 TULEAR: MADAS.	2715 10 24 2733 10 24 2733 10 24 2733 10 24 0073 10 24 0073 10 24 0035 10 24 0032 10 4 0032 10 4 0030 10 4	59 04.70 5 00 24.2 5 02 24.7 5 06 24.2 5 02 0. 6 03 53.2 6 05 07 6 06 52.6 10 02 21.0 10 03 33.0 10 07 07 10 07 10	9 59 L 11 30 L6 12 25 ME 5 +0 36 3 Oz 48 9 52 1 59 C 1 15 M	32 3 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4	70 10 10 00 00 00 00 00 00 00 00 00 00 00	99 99 54 77 12 39 50 50 16	0 \$ /14 by 0 3 + 30 by 0 3 + 30 by 0 5 + 30 by 0 4 5 5 by 0 5 by 0 5
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OBS NO STATTON \$6102 FRUNZE, USSR \$6103 FRUNZE, USSR \$6101 TACHKENT, USSR 10979 NAINI TAL'BN, TNDJA 36819 ANTOFAGASTA, CHILE 10987 VILLA DOLORES'8N, ARG	\$\begin{array}{cccccccccccccccccccccccccccccccccccc	TIME 22 29 30.6 22 33 20.6 22 34 46.3 27 36 08.40 23 37 44.8 23 39 28.2 23 41 49.21	R. A. DECL. 5 20 00 32 48 8 30 00 45 36 8 30 00 37 00 12 27 30 61 22 12 24 72 00 9 33 80 44 1 51 42 78 18	HTUMESA	AL 11840E (	RANGE THOEX 845009 845009 845009 434012 845042 845042 434023
	1018 10 25 2730 10 25 1018 10 25 1063 10 25 1009 10 25 9008 10 25 1068 10 25 1009 10 25 1009 10 25 1009 10 25 1004 10 25 1044 10 25 1044 10 25 1046 10 25 0804 10 25 0804 10 25 9007 10 25	0 25 34.2 0 25 42.5 0 25 55.0 0 27 41.9 0 28 09.4 0 30 14.67 0 30 20.2 0 32 15.9 0 34 22.9 0 34 28.9 0 34 45.6 0 36 45.1 1 41 13.4 1 43 37.0	3 53 18	253 36 440 93 276 12	76 36 27 54 37 18	845009 834049 845009 845009 845309 845009 845009 845309 845309 845309 845309 845309
34823 ANTOFAGASTA CHILE 10788 VILLA OOLDRES'BN.ARG 53891 MEUOON. FR. 53840 EL GULEA. ALG. 53892 MEUOON. FR. 54016 SPETSAI, GREECE	0804   10 25   9011   10 25   2715   10 25   8078   10 25   6411   10 25   2715   10 25   6411   10 25   2715   10 25   8078	1 47 38.2 1 47 41.68 2 23 50.50 2 24 06.90 2 24 06.90 2 25 00.50 2 25 00.50 2 25 00.50 2 26 12.90 2 26 12.90 2 26 12.90 2 27 12.50 2 27 12.50 2 27 41.5 2 28 47.5 2 28 47.5 2 28 47.5 2 29 00.0 2 27 00.0 2 27 33.50 2 30 00.0	1 33 -53 26 23 35 24 -25 37	147 11 31 00 143 10 114 54 34 24 130 22 38 00 115 13 141 36 40 24 105 28 172 00 42 12 77 53 191 46 43 54 92 32 45 00 20 20	51 27 42 06 51 26 52 30 36 24 50 21 30 54 46 43 60 42 25 54 42 32 60 54 21 12 58 50 58 50 51 12 51 12	845002 434023 434023 437109 603309 637109 603309 637109 6037109 6037109 6037109 6037109 6037109 6037109 6037109 6037109 6037109 6037109 6037109 6037109 6037109 6037109 6037109 6037109
53897 EL GULEA: ALG. 53899 MEUOON: FR. 53809 EL GULEA: ALG. 53900 MEUDON: FR. 54021 SPETSAI: GREECE 54022 SPETSAI: GREECE 54023 SPETSAI: GREECE 54025 SPETSAI: GREECE 54026 SPETSAI: GREECE 54026 SPETSAI: GREECE 54027 SPETSAI: GREECE 54028 SPET	6411 10 25 2715 10 25 6411 10 25 2715 10 25 8078 10 25 0032 10 25 0074 10 25 0074 10 25 0032 10 25 0074 10 25	2 30 11.60 2 31 00.0 2 31 01.50 2 32 00.0 2 32 24.00 2 32 24.00 2 32 24.00 2 32 24.50 2 34 40.5 2 35 42.5 2 36 43.5 2 35 21.5 39 08.5 6 18 17 8 18 24.3 8 18 38.59 6 22 12.8 6 27 45.5 9 29 53 10 14 47.07	9 25 51	47 16 80 02 225 00 230 06 236 36 238 42 240 30 242 36 0 97 00 77 54 66 24	28 31 10 00 24 51 7 00 19 04 37 00 30 18 45 18 45 42 16 30 10 36 7 54 80 7 54	537109 545309 537109 545309 537309 534309 534309 534309 534309 534309 543309 543309 543309 543309 543309 543309 543309 543309 543309 543309 543309
10980 ORGAN PASSIBN. N.M. 34802 MILMAUKEE. HISC. 34805 OENVER. (OLU. 34809 NEW ORLEANS. LA. 34803 MILWAUKEE. HISC. 10985 JUPITER'BN. FLA. 34810 CINCINNATI. CHIO 3478 SILVER SPRING. MD. 34804 MILWAUKEE. HISC. 54238 MAOISON. WISC. 10989 WOOMERA'BN. AUSTR.	9001 10 25 0074 10 25 8582 10 25 0030 10 25 0074 10 25 9010 10 25 8555 10 25 0074 10 25 0074 10 25 0074 10 25 0074 10 25 0084 10 25 8517 10 25 8586 10 25	11 36 34 12 18 24.8 12 18 38.5 12 19 35.40	20 47 00 89 28 12 00 55 30 9 32 00 36 36 16 39 54 -62 50	270 48 18 12 0 00 0 00 39 24 70 42	43 36 79 12 40 30 76 18 47 24 24 42 58 30 62 02 51 03 36 57 04 30 12 22 48 20 24 14 40 17 42 22 12 26 24	645042 637007 434013 641304 645304 434013 845302 845302 845304 641304 641304 641304 845303 845303 845303 845303 845303 845309 845309
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OBS NO SEATION 54069 FULEAR: MADAG. 35012 MIRARA JAPAN 35013 MITARA JAPAN 35013 MITARA: JAPAN 35014 MITARA: JAPAN 35014 MITARA: JAPAN 35014 MITARA: JAPAN 35015 KASHTWABARA: JAPAN 35015 KULEAR: MADAG. 54021 TULEAR: MADAG. 34022 TULEAR: MADAG. 34023 TULEAR: MADAG. 35010 GETT: PH:IS. 34023 BLAGGVESTEMENSK: USSR 35014 KANAYA MARH: JAPAN 35014 TOKRAILHI: JAPAN 10990 NAINT TALPRN: INUTA 54220 ABAKAN: JSSR 54294 TACHKENT: USSR	0229 0229 9005 0228 0228 6404 6404 8015 0504 0504 0504	OATE TO 25	TTME  12 29 00  18 07 05 8  28 08 20 90  18 09 42 80  18 10 49 4  18 10 49 4  18 10 26 00 0  19 26 00 0  19 27 00 0  19 27 00 0  20 10 27  20 10 27  20 10 27  20 18 21  20 10 27  20 18 21	6 22 24 19 26 4 12 33 2 25 4 11 00 19 13 19 04 4 03 06 7 97 46 4 0 17 44 1 0 26 00	0 ( ) 0 ( )	AZIMUM 121 24 316 42 343 06 23 28 249 36 431 24 226 18 336 36 345 09 00	ALTITUDE RA 36 12 61 00 62 18 52 00 15 24 20 44 26 12 13 68 14 57 00 9 33	845309 845303 845303 845303 845303 845002 845309 845309 845309 845302 845302 845302 845302 845302 845302 845009 845002 8454002 8454002 8454002 8454002
55822 SONNEBERG 54223 EREVAN, USSR 54223 EREVAN, USSR 55823 SONNEBERG 10993 SHIRAZ-BN, IRAN 34826 ANTOFAUASTA, CHILL 34826 ANTOFAUASTA, CHILL 34826 ARTOFAUASTA, CHILL 35947 ALPINETP, CAL. 35947 ALPINETP, CAL. 35947 ALPINETP, CAL. 34839 BOOMERA, AUSTR, 34830 BOOMERA, AUSTR, 34831 BOOMERA, AUSTR, 34831 BOOMERA, AUSTR, 34831 BOOMERA, AUSTR, 34833 AOELAIDE, AUSTR, 34833 AOELAIDE, AUSTR, 34834 CHIAL LAEE, IME. 34836 CHIAL LAEE, IME. 34831 BOOMERA, AUSTR, 35434 CHIAL LAEE, IME. 35435 IULEAR, MADAG, 54357 TULEAR, MADAG, 54358 TULEAR, MADAG, 54357 TULEAR, MADAG, 54357 TULEAR, MADAG, 54357 TULEAR, MADAG, 54357 TULEAR, MADAG, 54358 TULEAR, MADAG, 54358 TULEAR, MADAG, 54359 TULEAR, M	3218 6404 6404 6404 6404 6404 6404 6404 640	10 26 10 26 10 26	0 01 09.2 0 03 09.4 0 03 09.4 0 03 09.4 0 03 02.171 1 15 14.4 1 19 35.6 9 53 20 9 50 38:0 9 50 38:0 9 50 38:0 1 04 33.5 11 05 51.2 11 06 -2.2 11 07 51.9 11 09 -4.4 11 19 19 -4.4 11 19 19 19 19 19 19 19 19 19 19 19 19 1	5 49 00	9 46 46 48 50 36 12 42 70 06 63 36 -71 54 51 06 64 54  -34 13  70 17 17 47 45 54  -43 30 -1 48 60 24 56 18 16 54 73 18 61 02 56 18 60 15 90 30	180  43 45 00  2:0 30  198 30  185 20  142 20  346 17 2: 3 00 34 40 00  185 18  180 24  185 28  180 24  185 48  180 36  144 06  135 48  165 48  165 48  165 48  165 48  165 5 48  165 5 48  165 36  144 06  233 12  233 00  239 00  15 57 0	35 36 48 54 06 81 30 79 40 00 60 12 00 60 12 12 12 12 12 12 12 12 12 12 12 12 12	84-049 84-5009 84-5009 84-5009 84-5009 84-5009 84-5004 84-5042 84-5042 84-5004 84-5004 84-5004 84-5002 84-5002 84-5002 84-5002 84-5009
11300 AREGUIPA:BN. PERU 54373 EL GULLA. ALG. 54374 EL GULLA. ALG. 54375 EL GULLA. ALG. 54375 EL GULLA. ALG. 54376 EL GULLA. ALG. 54360 BESANCON. FM. 54377 EL GULEA. ALS. 54361 BESANCON. FR. 54329 SPETSAI. GREECE 54330 SPETSAI. GREECE 54330 SPETSAI. GREECE 54031 SPETSAI. GREECE 54030 SPETSAI. GREECE 54031 SPETSAI. GREECE 54031 SPETSAI. GREECE 54031 SPETSAI. GREECE 54033 SPETSAI. GREECE 54031 BESANCON. FR. 54033 SPETSAI. GREECE 54031 BESANCON. FR.	6411 6411 6411 6078 6411 2727 6411 2727 6411 8078 6411 2727 2727		3 29 00 0 3 31 00 0 3 31 47 0 4 32 00 0 3 42 27 05 4 33 10 29 4 33 10 29 4 33 10 29 4 33 10 29 5 34 45 0 5 34 45 0 5 36 00 0 3 36 34 42 3 36 59 5		-57 37.	31 54 35 36 113 12 40 18	27 30 24 18 20 36 20 06 17 24 65 05 14 18 66 29 28 12 14 06 5. 06 8 12 97 03 9 30 81 22 2 48 72 38 45 18 66 09	#34023 #45309 #45309 #34309 #34309 #34309 #34309 #34309 #34309 #34309 #34309 #34309 #34309 #34309 #34309 #34309

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OBS NO STATION 54034 SPETSALE GREECE	STA NO	DATE 10 27	#1ME # 38 20+5	R. A.	DECL.	AZ IMUTH 153 54	ALTITUDE 47 36	HANGE INDEX 834309
54035 SPETSAL GREECE	8078	10 31	3 39 13.5			164 12	50 12	834309
54165 BESANCON: FR: 54036 SPETSAL: GREECE	2727 8078	30 27 10 27	3 99 40.59			84 00 175 36	51 49 51 24	834309 834309
54166 BESANCON. FR.	2727	10 27	3 40 16.49			83 15	47 01	834309
35099 BOCHUM. GER.	8599	10 17	3 40 43.2	9 52 48	26 48	90 24	51 06	845002 834309
54037 SPETSALE GREEGE 35100 BOCHUM+ GER+	8078 8599	10 27	3 41 00.5 3 41 20.4	10 12 06	26 03	70 24	)1 VI	845002
54167 BESANCON. FR.	2727	10 27	3 41 23.63			82 25	38 59 47 48	834309
54038 SPETSAL. GREECE 54168 BESANCON. FR.	8078 2727	10 27	3 42 18.5 3 42 32.56			81 54	31 46	834309 834309
35101 BOCHUM. GER.	8599	10 27	3 43 00.6	10 58 20	20 51			845002
54169 BESANCON: FR. 54039 SPETSAL: GREECE	2 72 <b>7</b> 8 0 7 8	10 27	3 43 05.55 3 43 33.5			81 43 221 42	28 42 42 36	834309 834309
54170 BESANCON. FR.	2727	10 27	3 44 26.44			81 28	21 55	834309
54040 SPETSAL, GREECE 54041 SPETSAL, GREECE	8078	10 27	3 44 39.5 3 45 21.5			230 36 235 12	37 24 . 34 00	#34309   B34309
35102 BOCHUM GER.	8599	10 27	3 45 24.9	11 43 42	14 54			845002
54171 BESANCON. FR. 54042 SPETSAL. GREECE	2727 8078	10 27 10 27	3 45 29.29			61 19 239 36	17 16 30 18	#34309 #34309
54172 BESANCON. FR.	2727	10 27	3 46 56.95			81 18	11 33	834309
54043 SPETSAL GREECE	8078	10 27	3 47 24.5			245 12	24 30	834309
54173 BESANCON+ FR. 54174 BESANCON+ FR.	2727	10 27 10 27	3 47 36.23 3 48 04.60			81 18 81 18	9 11 7 36	83 <b>4339</b> 834309
54044 SPETSAL GREECE	8078	10 27	3 48 19.5			248 24	20 36	834309
54175 BESANCON: FR. 54045 SPETSAL: GREECE	2727 8078	10 27 10 27	3 49 03.14 3 49 27.5			81 17 251 48	4 25 16 06	834309 834309
54046 SPETSAL, GREECE	8078	10 27	50 21.5			254 00	12 42	834309
54176 BESANCON FR.	2727	10 27	5 38 38.43			274 18 267 23	60 40	834309 834309
54177 BESANCON FR. 54178 BESANCON FR.	2727 2727	10 27 10 27	5 40 01.76 5 42 12.15			124 48	74 26 79 41	834309
54179 BESANCON. FR.	2727	10 27	5 43 06.44			110 35	63 07	634309
54180 BESANCON, FR.	2727	10 27	5 44 20.37 5 45 29.44			109 05 107 37	57 30 48 39	834309 834309
54181 BESANCON+ FR. 54182 BESANCON+ FR.	2727 2727	10 27 10 27	5 46 05.11			106 54	42 30	834309
54183 BESANCON, FR.	2727	10 27	5 47 04.00			106 21	35 25	834309
54184 BESANCON: FR. 54185 BESANCON: FR.	2727 2727	10 27	5 48 21.32 5 49 27.86			105 58 105 41	28 29 21 42	834309 834309
54186 BESANCON. FR.	2727	10 27	5 50 23.41			105 34	17 21	834309
34835 OENVER+ COLO.	8582	10 27	9 25 24.0	1 17 00	70 1	59 24.	62 15 00	
11001 JUPITER BN. ELA. 34885 ADELAIDE: AUSTR.	9010 0600	10 27	9 28 41.79 10 41 10.8	1 17 00	79 21	144	75 75	434013 845302
10998 WOOMERA'BN. AUSTR.	9003	10 27	10 41 27.40	0 18 36	-57 42			434023
34837 KANSAS CITY, MO.	0036	10 27	11 28 57.0 11 30 25.2			317 334 30	47 12 54	845303 845303
34838 KANSAS CITY+ MO. 34836 DENVER+ COLO.	0036 8582	10 27 10 27	11 32 49-1			54 45 00		845303
34839 KANSAS CITY. MO.	0036	10 27	11 34 08.5			36	52 18	845303
11002 WOOMERA'BH, AUSTR. 34859 SACRAMENTO, CAL.	9003 8517	10 27	12 44 41.57 13 32 26.8	21 23 12 10 54 42	- 6 41 64 03			434013 641013
35125 ASAHIKAWA: JAPAN	0201	10 27	15 20 36.3	9 07 48	22 12			#45002
54420 TULEAR+ MADAG.	6404	10 27	16 26 30.0			210 12	5 42	845309
54421 TULEAR+ MADAG. 54422 TULEAR+ MADAG.	6404	10 27	16 27 00.0 16 28 00.3			204 24	7 12 10 36	845309 845309
54423 TULEAR. MADAG.	6404	10 27	16 29 00.0			195 12	13 54	84>309
54424 TULEAR+ MADAG.	6404	10 27	16 31 00.0			181 54	21 00	845309
54425 TULEAR: MADAG. 54426 TULEAR: MADAG.	6404	10 27 10 27	16 32 00 • 0 16 33 00 • 0			172 18 162 42	24 48 27 18	845309
54427 TULEAR. MADAG.	6404	10 27	16 34 00.0			151 42	29 00	845309
54428 TULEAR, MADAG. 54429 TULEAR, MADAG.	6404	10 27 10 27	16 35 <b>0</b> 0.0			140 00 128 48	28 18 27 48	845309 845309
54430 TULEAR - HADAG.	5404	10 27	16 37 00.0			118 24	26 -2	845309
54431 TULEAR - MADAG.	6404	10 27	16 38 00.0			109 48	24 12	845309
54432 TULEAR+ MADAG. 54433 TULEAR+ MADAG.	6404	10 27 10 27	16 39 00.0 16 40 00.0			102 00 95 24	21 06 18 06	845309
35128 KAGOSHIMA+ JAPAN	0218	10 27	17 17 46.8	9 46	53 54			845002
35127 YATSUSHIRO, JAPAN	0272		17 18 39 18 30 22.99	16 30 54	-54 47	45 00	27 44	845302 434023
11008 OLIFANTSFNTN*BN•S•AF 54434 TULEAR+ MADAG.	6404		18 30 22.99	10 30 34	-56 47	223 00	8 00	845309
54435 TULEAR. MADAG.	6404	10 27	18 31 00.0			223 30	9 42	845309
54436 TULEAR. MADAG. 54437 TULEAR. MADAG.	6404 6404		18 32 00.0 18 33 00.0			224 12 224 42	14 30 19 36	845309 845309
54438 TULEAR. MADAG.	6404	10 27	18 34 00.0			225 00	25 18	845309
54439 TULEAR HADAG.	6404		18 35 00.0			227 00	32 18	845309
54440 TULEAR: MADAG. 35216 PRETORIA: S.AFR:	6404 8575		18 36 00 0 18 36 34 6	0 47	-43 36	229 18	41 00	845042
54441 TULEAR. MADAG.	6404	10 27	18 37 00.0			233 18	51 18	845309
54442 TULEAR: MADAG. 35129 KAGOSHIMA: JAPAN	6404 0218		18 38 00•0 19 15 57	1 41 42	63 48	241 00	62 54	845309
54229 BLAGOVESTCHENSK+USS			19 16 06.0	5 17 00	29 48			845009
34840 TAIPEI+ TAIWAN	0502	10 27	19 16 06.6	2 <b>4B</b>	85 48			845042
34841 TAIPEI+ TAIWAN 35126 KONKO+ JAPAN	0502 0224		19 19 00.2 19 19 49.4	12 14 6 22 30	75 18 79 35			845042 845002
54230 BLAGOVESTCHENSK+USS			19 22 41.0	9 38 00	30 24			845009
34882 BAGUIO CITY+ PH-IS+	0504		21 15 21 21 22 17			330	5 10 34 4	845302
34883 BAGUIO CITY: PH:15: 34884 BAGUIO CITY: PH:15:	0504 0504		21 22 17			1 03 0	0 10 34 4 3 30	8 845302 845302
11004 SHIRAZ®BN+ IRAN	9008	10 27	23 13 46.05		62 34			434013
11003 NAINI TAL'BN. INOIA	9006	10 27	23 19 00.73	17 47 00	75 51			434013
11005 AREQUIPA+BN. PERU	9001	10 28	0 28 49.20	3 08 42	-59 29			434023
54106 EL GULEA, ALG.	6411	10 28	3 04 00.0			352 18	39 36	845309
54107 EL GULEA: ALG: 54108 EL GULEA: ALG:	6411		3 05 00.0 3 06 00.0			1 48	37 48 35 00	845309 845309
35103 BOCHUM. GER.	8599		3 06 36.6	4 19 54	21 12		22 00	845002
54109 EL GULEA. ALG.	6411	10 28	3 07 00.0			18 12	31 42	845309

54110 Pt GULEA, ALG. 54111 Et GULEA, ALG. 54144 SPETSAle Gra 54142 SPETSAle Gra 54143 SPETSAl, GR. 54143 SPETSAl, GR. 54143 SPETSAl, GR.	8078 1 6411 1 8078 1		71ME 3 08 00.0 3 09 06.0 3 09 18.0 3 10 00.0 3 10 04.0 3 11 00.0	Ro Ao	DEGLO	AZ7MUTH (2) 54 29 54 12 15 15 15 15 15 15 15 15 15 15 15 15 15	ALTITUDE HAMB 48 30 45 00 37 44 41 66 46 33 47 33	\$
35104 BOCHUM, GER. 56146 SPEISAL GR.	8070	0 24	3 14 52.0	7 12 30	31 46	150 14	49 30	849004
34147 SPETSALO GRO	8018	0 44	3 12 00.0 3 12 30.0			168 - 0	34 36	849363 844343
54115 EL GULEAO ALG. 34148 SPETSAIO GRO 54116 EL GULEAO ALG.	8078	0 20	1 11 27.3 1 14 00.6			45 18 180 34 47 44	51 36	543307 834307 543303
54149 SPEISAL. UR. 54150 SPEISAL. UR.	8078	0 45 1 26 3 46	1 14 05.0			490 06	9 46 96 49 44 60	694358 894358
54151 SPETSAI. GR.	8078	Q 40	1 46 15.5			217 42	44 90	034365
35105 BOCHUM, GER. 54152 SPEISA1. GR.	8678	0 .0	7 9.02	. 46 45		7 06	J# 46	643000 443000
35106 BOCHUM GERG 54153 SPETSARG GRG	8978	0 68	16 16	11 14 34	.7 ⊌€	234 -	J4 36	045002
54854 SPETSAL. GR.	8078	10 28 10 2 <b>0</b>	3 19 00 0 0 3 da 0 0 . 5			293 45		634008 80.460
54156 SPETSAL GR. 54157 SPETSAL GR.	8376	10 28 10 28	\$ 44 44.L	J.	*	. 36 . 4	. 45	63-363 (4-45
54458 SPETSAL GR. 54459 SPETSAL GR.		10 28 10 1#	2 44 62 0 2 4 2 2 4 6 6			.56 24	5 40	لان فيه في ت الانهاد خوان
35107 BOCHUM: GER. 3510B BOCHUM: GER.		10 65	14 00.3	* . 7 . 0	3.			8 45 5 v c
55328 POTSDAM 55829 POTSDAM		1 5	5 . 5 . 6 . 6 . 6	1 .7 16				0 -4-4-3
35179 EUCHUM. HER. 35112 BOCHUM. UER.	8544	10 .e 13 28	1 . 1 46 5 . 1					5 4 4 J J 4 4
34842 ST. PETERUBURG, FUA. 34843 ST. PETERUBURG, FUA.	1	1	7 11 10	1	88			3-1-5
34844 ST. PETERSEURG: FUA. 110,2 AOCMERATED: AUSTR.		14 - 27	+ LC UL	4. 4.	53 4.			040 <b>0</b> 32
110,2 NOTERNOTE AUGINE 14845 DESVER: ULU. 14846 UNINA LAKER .AL.	ರರ್ಜ.		10 57 2 1		- 12 07	31 4 3 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4	74 36 47 35 36	6-200
34886 ALELAILE, ALUTR.		4 - 4 -	1 4			J. 1	. *	د ب د د بره
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35131 KAGOSMIMA. DAKAN 35132 YUKKALUMIR DARAN		.0	16 15 1.	.3	45 LU			04.004
DAISS TUCKAR, MALAU.			.8 .4			0	***	347.27
SHIEN TULEAR, MADAG. SHIES TULEAR, MADAG.			# LO UL+L			t		24227 240.22
Seja, Tulear Malau.	54.4	1-17	10 41 014				45 15	090307
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STITE CAUCIC LITY CO.I.	. 254	15.8	4. 30.5	11	81.8	4 1 70		424013
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34873 ANTOFAGA TAR ORICE 34894 ANTOFAGA, TAR ORICE	_ C	10 61		1 7 25	18 . m			04.04.
14024 VILLA DUI OKES'E" AHO	2011	10 . /	. 02. 03. 10				3 E 🕶 D	4340.3 7UC#CB
SHILE SPETSALE OFF	507c	10 49	, 43 41.0 - 44 1.01			, 44 15	45 04	7-1-1-7 7-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-
54119 SPETSAL. UP.	8078	10 29	. 45 *0.0			.67 .8		834369
541:1 SPETSAL. GR. 541:2 SPETSAL. GR.	8018 8078	10 2	45 10.0 . 47 17.0			18 0	20 24	۷ <b> و ۵</b> و ۵ ۱ و ۵
54123 SPETSAL UH. 54124 PETSAL UH.	80 <b>78</b> 80 <b>1</b> 8	10 29	. 48 01.2			.33 .6	46 36 44 4.	4.C.C.G
54125 PETSAL GR. 54126 SPETSAL GR.	8078 8 <b>07</b> 8	10 47	. 50 3 · . 0 . 51 4 · . 0				3 f 3 c . 4	٧٦ <b>٠٠</b> ٢٠ <b>٤٠</b>
54127 UPETSAI. UR.	8078 80 <b>76</b>	10 21	, 5, 38.0			.3€ .⊶ .4∪ >⊶	. i	7 - <b>6 - 6</b> 0
54129 EPETSAT. GH.	8078	10 2 .	. 54 38.0 2 5 18.6			.45 40	17 60	8 <b>3 - 3</b> 0 7
SA131 SPETSA1. UR.	8018 8018	15 29	2 56 C1.3			249 12	9 . 4	۴ ټو په ز ۲ د ک د په و ط
54139 SPETSATE GP.	8976		2 58 21.0 2 59 13.0			254 66 255 18		. 834309 834309
54135 SPETSAT, UR.	8078	15 29	3 00 03.0	6 30 ,8	7.7	256 30	. 50	0 <b>3493</b> 9 434013
11014 SAN FERNANDO'BN: SP.	9004	10 29	4 44 15.00	0 30 48	11.44			434013

OBS NO STATION 11020 JUPITER DN FLAG	STA NO DATE 9010 10 29	TIME 8 33 54.03	R. A.	DECL.	HTUHT SA	ALTITUDE	KANGE ENUEL 434019
11071 JUP11ER BN. FLA. 34847 DENVER. COLU.	9010 10 29 8582 10 29	8 35 30.44	1 10 00	77 52	63 48	95 12	43401 <b>3</b> 84530 <b>3</b>
34895 TOWNSVILLE, AUSTRO 54989 ALPINE'PO CALO 55966 ALPINE'PO CALO	8578 13 29 5089 13 29 5089 10 29	9 55 01.9 10 31 42.0 10 31 42	11 16 00 11 16 60	16 54 56 56	115 21	28 27	84530 <b>2</b> 637007 637009
34848 DENVER, COLU. 11006 ORGAN PAUDIBNO N.M.	8582 10 29 9001 10 29	10 32 49.2	2 07 42	71 67	314 45 00	\$8 60	84530 <b>3</b> 4340 <b>13</b>
34891 SAN JOSE, CAL. 34892 SAN JOSE, CAL.	8573 10 29	10 33 67.5	16 46 44	60 13			845032 84503 <b>2</b>
34855 NEW ORLLANSO LA. 34861 SACRAMENTO, CALO	8517 10 29	10 39 62			0 00	36 00	845302 641304
34849 DENVER. COLO. 34853 SAN JOSE. CAL. 34854 SAN JOSE. CAL.	8573 10 29 8573 10 29 8573 10 29	12 38 16.8 12 34 51.4 12 45 27.1	10 27 36	63 17 53 45	320 15 00	<b>&gt;1</b> 45	845303 84503 <b>2</b> 845032
346 0 DENVER COLD. 34145 TULEAR MADAG.	8582 10 29 8404 10 29	12 47 49.4	44 36	***	39 06 218 30	65 18 12 12	845303 645309
54195 TULEARO MADAGO 54197 TULEARO MADAGO	6404 10 29	17 34 00.0			217 48 216 42	17 44 26 06	843309 843309
54198 TULEARO MADAGO	6404 10 29	17 41 00.0 17 42 00.6			216 18 214 42	39 48	845309 84530 <b>9</b>
54200 TULEARO MADAGO 35219 PRETORGA SAAFRO 54201 TULEARO MADAGO	6404 10 29 8575 10 29 6404 10 29	17 43 00.0 17 43 38.7 17 44 00.0	1 45	1 5-	212 42	4 <b>8</b> 36	#45309 #4504 <b>2</b> #45309
54232 TULEAR MADAG. 54231 TULEAR MADAG.	6464 10 29	17 45 00.0 17 46 00.0			194 36	76 06 87 00	845309 845309
34891 FATPEL: TATHAN 35138 ASAHIRAHA: JAPAN	0902 10 29 0201 10 29	18 24 49.7	11 <b>45</b> - 4 03	69 <b>9</b> 0 50 12			845042 845002
351 9 SAPPORD, JAPAN 54204 TULEAR, MADAG.	0245 10 29 6404 10 29	18 31 09	11 21	49	257 24	11 00	845002 849309
54235 TULEAR+ MADAG. 35171 BAGU10 CITY+ PH-15+ 54273 BLAGDVESTCHENSK-USSR	6+04 10 29 3534 10 29 1 1310 13 29	19 44 30.0 . 20 25 12 20 27 10.0	5 16 0¢	34 50	262 42 346 16 48	4 31 4	845307 845302 845009
35172 BAGUIO LITY+ PH.IS. 35140 ASAHIRAWA+ JAPAN	0504 10 29 0504 10 29 0201 10 29	20 27 58.7	5 25 00	34 54 47 30	0 00	10 36	845007 845002
35173 BAĞU10 LITY. PH.15. 54274 BLAGOVESTCHENSK.USSR	0504 10 29	22 33 19.7 70 33 28.0	8 37 00	33 30	26 24	7 37 1	
35174 BAGUIQ CITY+ PH+15+ 11016 NAIN1 TAL'EN+ INDIA	9006 10 29	20 37 50.7	0 55 06	69.58	<b>4</b> 5 00	1 30	845302 434013
54292 STALINAHAD, USSR 54293 STALINAHAD, USSR 35019 ANTOFAGASTA, CHILL	1068 10 .9 1088 10 .9 0804 10 .9	72 28.8 44 25 55.4 43 33 32.5	9 09 48 11 07 54 2 .9	51 36 44 48 -68 30			845009 845009 84504
35020 ANTOFAGASTA - CHILL	0804 10 .4	23 35 10.3	2 22 30	-51 .0			845044
54302 KRASNOLAR+ USSR 54294 STALINABAO, USSR	1027 10 30 1068 10 30	0 18 52.1 0 19 15.0	8 44 1 55 18	48 36 41 12			845009 845009
54303 KRASNODAR+ USSR 11019 SHIRAZ BN+ IRAN	1027 10 30 9008 10 30	0 19 31.4	7 26 1 16 00	48 18 76 19			434013
54295 STALINABAD. USSR 54296 STALINABAD. USSR 35-21 ANTOFAJASTA. CHILE	1068 10-30 1068 10-30 0804 10-30	0 21 30.5 0 30 44.7 1 35 36.3	2 40 30 12 12 42 19 48	53 18 39 36 -40 00			845009 845009 845042
35-22 ANTOFAGASTA: CHILE 54136 SPETSAL: UR:	0804 13 30 8078 13 30	2 39 06	23 17	- 9 42	157 00	>1 00	845042 834309
54137 SPETSAL, GR. 54138 SPETSAL, GR.	8078 10 30 8078 10 30	2 19 26.5 2 20 51.0			183 12 202 30	52 16 48 54	60c+68 60c+68
54275 ROSTOV USSR 54276 UUGOROD USSF 54139 SPETSAI GR	1041 10 30	2 22 25.9	5 31 00 9 1- 00	36 30		1	845009
54140 SPETSAL GR. 54141 SPETSAL GR.	8078 10 30 8078 10 30 8078 10 30	24 32.5			224 00 232 36 238 54	35 00 34 18 25 48	834309 834309 834309
54142 SPETSAL, GR. 54143 SPETSAL, GR.	8078 10 30 8078 10 30	2 27 34.5			243 06 251 08	19 18 8 48	834309 634309
35111 BOCHUM. GER. 35112 BOCHUM. GER.	8599 10 30 8599 10 30	4 18 31.3	3 28 30 5 36 45	25 36 31 51			845002 845002
34852 OENVER+ COLC. 34856 N. CANTON+ UHIO 34863 FT. •ORTH+ TEX.	8582 10 30 8565 10 30 0139 10 30	8 12 42.1	9 48 30 8 46 30			2 8 45 C	00 045045 045045 045015
34857 N. CANTON GHIO 34858 ROCHESTER N.Y.	8565 10 30 8564 10 30	10 10 52.7	3 22 3U 7 33 18	53 28			845043
34896 PERTH, AUSTR, 34897 PERTH, AUSTR,	0601 10 30	11 18 53.7			226 55 194 05	9 40 9 15	6-1302 64-302
11027 WOOMERA'BN: AUSTR: 34898 PERTH: AUSTR:	9003 10 30 0601 10 30	11 28 50.1	22 06 06	- 7 36	67 55	12 30	434013 641302
34854 SACRAMENTO, CAL. 35141 KAGOSHIMA, JAPAN 11J10 OL1FANTSFNTN'BN.S.A	8517 10 30 0218 10 30 F 90 <b>3</b> 2 10 30	16 01 36	10 09 14 33 12	38 00 -59 14		56 08	641304 84500 <b>2</b> 434023
54366 TULEAR MADAG. 54367 TULEAR MADAG.	6404 10 30 6404 10 30	17 11 00.0	,,	,, .	215 54 214 30	12 12 17 30	845309 845309
54368 TULEAR: MADAG. 54369 TULEAR: MADAG.	6404 10 31 6404 10 31	17 13 00.0 17 14 00.0			213 06 210 42	23 18 30 18	845309 845309
54370 TULEAR, MADAG. 54371 TULEAR, MADAG.	6404 10 30	17 16 00.0			207 36 202 24	38 42 49 12	845309 845309
54372 TULEAR: MADAG: 54373 TULEAR: MADAG: 54374 TULEAR: MADAG:	6404 10 3 6404 10 3 6404 10 3	17 18 00.0			192 00 165 24 72 36	60 54 72 30 64 12	845309 845309 845309
54375 TULEAR: MAOAG. 35142 ASAHIKAWA: JAPAN	6404 10 3 0201 10 3	17 21 00.0	3 40 00		50 48 3	53 12	845309 845002
35143 KAGOSHIMA+ JAPAN 54376 Tulear+ Madag.	0218 10 3 6404 10 3	19 16 30.3	11 16	60 4	256 36	13 18	845004 845309
54377 TULEAR+ MADAG. 11011 OLIFANTSFNTN'BN+S-A 35144 KAGOSHIMA+ JAPAN		19 17 34.40	20 09 24	-16 4		14 48	845309 43401J 845002
35175 BAGUIO CITY+ PH-IS+ 35176 BAGUIO CITY+ PH-IS+	0504 10 3	20 01 35.2		30 0	4 16 4 25 15 0		12 845302
35177 BAGUIO CITY. PH.15.					40 19 4		

	STA NO 9006 9008		71M& 21 56 18.66 23 53 19.03	Ro Ao 9 40 00 1 35 06	DECL. 84 16 82 02	AZ IM <b>U</b> TH	ALT I TUBE	RANGE BNDEX 434013 434013
11011 VILLA DOLORES UN ARG 11010 AEGUIPA UN PERU 54301 KRASNOOAR USSR 54300 ASTRAKHAN USSR 54300 ASTROM USSR 54204 ROSTOVE USSR 54204 ROSTOVE USSR 54205 EL GULEAR ALUN 54205 EL GULEAR ALUN 54206 EL GULEAR ALUN 54206 EL GULEAR ALUN 54207 EL GULEAR ALUN 54207 EL GULEAR ALUN 54208 EL GULEAR ALUN	9007 2027 2005 2042 2042 6422 6422 6422 6422 6422 6422	10 91 10 31 10 31	1 11 48.64 1 13 09.90 1 55 11.9 1 57 06.6 2 00 13.4 2 01 28.9 2 02 14.4 3 53 00.0 3 54 00.0 3 55 00.0 3 58 00.0 3 59 00.0 4 00 00.0 4 01 00.0 6 03 00.0	21 42 54 0 13 54 6 00 6 18 00 9 17 00 10 52 06 11 12 30	7 03 -37 40 53 30 44 18 38 18 24 42 20 48	12 48 19 42 27 42 35 18 45 24 50 06 54 24 57 30 60 36 63 42	32 54 32 48 29 30 26 42 23 30 21 12 17 00 14 30 14 54 9 12 6 18	4,46013 434023 845009 845009 845009 845009 845309 845309 845309 845309 845309 845309 845309 845309 845309
54267 EL GULLAG ALG. 54865 N. CANTON, DMID 11025 ORGAN PASSOBNE N.M.	8544 9301	10 31 10 31 10 31	4 04 00.0 5 46 18.3 9 44 20.40	9 24 19	26 55 61 53	65 54	3 46	845309 845042 434013
34849 COLUMBUS: OHTO 11028 NOOMERA!BN: AUSTR	9003	10 31	9 46 30.8 10 56 33.17	19 46 34	-31 58	0 00	61 30	845303 434023
35024 TOWNSVILLE, AUSTR	8578 8578	10 31 10 31	11 03 26.2 11 03 26.9			317 37 319 22	79 51 79 58	845302 845302
35325 TOWNSVILLE, AUSTR. 34866 SACRAMENTO, CAL.	3517	10 31 10 31	11 03 26.9			319 19 0 00	79 57 56 32	845302 641 <b>3</b> 04
34358 FT. #CRIM: IEX. 11026 CRUAN PASSION. N.M. 34867 SACRAMENTO: CAL.		10 31 10 31 10 31	11 48 15.6 11 49 51.60 13 47 47.4	7 08 00	79 06 58 11	0 00	67 25	845013 434013 641304
35145 MITAKA JAPAN 54380 TULEAR: MADAG.	0229	10 31	15 35 11			55 12 215 12	16 48 7 18	845303 845309
54381 TULEAR MADAG. 54382 TULEAR MADAGA	6404 6434	10 31	16 44 00.0 16 45 00.0			213 36 212 00	16 36	845309 845309
5+383 TULEAR: MADAG. 5+384 TULEAR: MADAG.	6404	10 31 10 31	16 46 00.0			209 30 206 00	22 00 29 00	845309 845309
54386 TULEAR. MALAG.	5404 5404	10 31	16 48 00.0			201 36 195 00 170 18	36 48 46 18	845309 845309
SASES TULEAR MADAG.	54J4 54J4	10 31 10 31 10 31	16 50 30.0 16 51 00.0 16 52 00.0			155 36 117 16	61 18 65 54 66 18	845309 845309 845309
	6404	10 31	16 53 00.0			86 42 72 46	5 9 00 5 0 06	645309 845309
54172 TULEAP: MADAG.	6404 7305	10 31	16 55 00 • 0 17 32 55 • • 0	5 38 00	75 46	64 30	41 06	845309 434013
15146 YATSUSHIRO. JAPAN	0229 0272	10 31 10 31	17 35 10.2 17 35 40			5 12 84 06	49 24 25 00	845303 845302
35,47 SAPPORO, JAPAN 54373 TULEAR, MADAG.	6404	10 31 10 31	17 38 21 18 <b>4</b> 8 00•0	10 18	42	247 24	9 54	845002 845309
	9302	10 31	18 49 00.0	10 50 66	-28 48	251 48	12 54	645309 434023
5-3-5 TULLAR: MADAG. 5-390 TULEAR: MADAG. 5-397 TULEAR: MADAG.	6404 6404	10 31 10 31 10 31	18 50 00.0 18 51 00.0 18 52 00.0			257 12 264 00 271 54	16 30 20 12 23 24	645309 645309 645309
54398 TULEAR: MADAG.	6404	10 31	18 53 30.0	0 40	55 18	260 24	26 06	845309 845002
	0222	10 31	19 34 44	6	67	0 00	39 12	845002 845302
35149 MITAKA: JAPAN 11054 TOKYO'BN: JAPAN	9 005	10 31 10 31	19 36 29.8	10 54 42	62 37	336 12	44 36	8 4 5 3 0 3 4 3 4 0 1 3
35152 KANAYA MACHI + JAFAN 35150 YOKKAICHI + JAPAN	0258		19 41 11.4 19 41 33	12 00 11 49	55 24 53			845002 845002
35153 SAPPORU. JAPAN 11-35 MAINI TALIBN. INDIA 11-40 SMIRAZIEN. IRAN	9006	10 31 10 31 10 31	19 41 35		68 53			845002 434013
11036 MAINE TALTEN - INDIA	9006	15 31	23 29 45.65	13 04 24	70 05 39 26			434013 434013
11042 VILLA JOLOPES'EM, ARG 11039 AREOUIPA'EM, PERU 54268 EL GULLA, ALG, 54269 EL GULLA, ALG,	9011 9007 6411 6411	11 01 11 01	0 43 37.93 0 46 46.23 1 28 00.0 1 29 00.0		- 6 00 -34 00	41 48 43 48	15 00 11 12	434013 434023 #45309 845309
54270 EL GULEA: ALG. 54271 EL GULEA: ALG.	6411 6411	11 01	1 30 00.0			45 42 47 36	8 42 5 54	845309 845309
54272 EL GULEA ALG. 13041 SHIRAZ'BN FRAN	9 00 8		1 32 00.0 1 36 38.31		56 46	49 06	3 18	845309 434013
11032 SAN FERNANOU'BN. SP. 55880 PCISDAM 55831 PCISOAM	2129	11 01	3 21 41.90 3 22 08.1 3 23 55.5	3 46 12 3 21 36 4 17 30	+72 22 = 22 36 27 23			43402# 834049 834049
55832 POTSDAM	2729	11 01	3 27 12.6	6 41 54 8 22 <b>3</b> 3	91 00 26 30			834049 834049
55834 POTSOAM 55835 POTSOAM	2729 2729	11 01 11 01	3 31 39.2 3 33 08.2	9 41 36	18 35 13 18			834049 834049
55836 POTSOAM 11033 SAN FERNANDO NA SP.	2729 9004	11 01 11 01	3 36 08.4 5 29 16.00	11 15 30				834049 434013
35186 DENVER. COLO. 94708 NEW OPLEANS, LA.	8592 2030	11 61	9 17 03.0 9 17 13			9 24	44 42 0 36 0 <b>0</b>	845302
4527. ADFTATUE . METP. 11337 WOOMERATUN. AUSTR.	9003	11 01	10 30 46.8	21 >3 30	-20 22	311 45	58 15	84530 <b>2</b> 43401 <b>3</b>
34902 SACRAMENTO, CAL. 34904 FT. WOPTH: TEX.	8517 0139	11 01	11 14 33.1	7 34 00	79 48	0 00	57 07	641304 845013
34901 NEW ORLEAMS, LA. 35187 DENVER: COLO.	0030 8 <b>5</b> 92		11 23 03 11 24 37.2			0 00 71 54	42 00 31 45 0	845302 845303

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11045 MAUI . BN. HAWATI	9012 11 01	13 13 33.33	12 51 48	76 19		-	434013
34903 SACRAMENTO. CAL. 54399 TULEAR. MADAG.	8517 11 01 6404 11 D1	13 20 20.6 16 19 30.0			219 24	65 13 15 54	641304 845309
\$4400 TULEAR+ MADAG.	64D4 11 01	16 20 00.0			217 06	19 00	845309
54401 TULEAR MADAG. 54402 TULEAR MADAG.	6404 11 01 6404 11 01	16 21 00 D 16 22 3D D			203 24 194 36	25 54 35 48	845309 845309
54403 TULEAR+ MADAG. 54404 TULEAR+ MADAG.	6404 11 01 6404 11 D1	16 24 00.D 16 25 D0.D			178 06	48 30	845309 845309
54405 TULEAR+ MADAG.	6404 11 01	16 26 OD.O			128 54	58 54	845309
54406 TULEAR+ MADAG. 54407 TULEAR+ MADAG.	6404 11 01 6404 11 D1	16 27 00.D 16 28 D0.0			112 06	55 54 47 48	845309 845309
54408 TULEAR MADAGE	6404 11 01	16 29 30.D			65 12	29 48	845309
54409 TULEAR: MADAG. 54410 TULEAR: MADAG.	6404 11 01 6404 11 01	16 31 00.D 16 32 00.D			63 00	26 54 22 18	845309 845309
35393 ASAHTKAWA+ JAPAN	D201 11 01	17 09 31.0	8 56 00	46 17			845002
54411 TULEAR: MADAG. 35220 PRETORIA: S.AFR.	6404 11 01 8>75 11 01	18 23 3D.0 18 23 43.2	19 53	-26 36	247 30	13 DD	845309 845042
54412 TULEAR, MADAG.	6404 11 01	18 24 00.0			250 00	15 DO	845309
54413 TULEAR: MADAG: 54414 TULEAR: MADAG:	6404 11 01 6404 11 01	18 25 00.0 18 26 0D.0			255 36 262 18	19 00 22 48	845309 845309
54415 TULEAR: MADAG. 54416 TULEAR: MADAG.	6404 11 01	18 27 00 • D 18 28 30 • D			270 24 286 06	27 00 31 30	8453D9 845309
54417 TULEAR. MADAG.	6404 11 01 6404 11 01	18 29 DO • O			292 00	32 18	845309
54418 TULEAR: MADAG. 35394 KAGOSHIMA: JAPAN	6404 11 01 0218 11 01	18 30 DO.0 19 D5 45	1 10	68 30	302 36	33	845309 845002
35178 BAGUIO CITY+ PH-IS+	D504 11 01	21 09 08	0	00 30	347	10 42	8453D2
35179 BAGUIO CTTY. PH.1S. 35180 BAGUIO CITY. PH.IS.	. 0504 11 01 0504 11 01	21 14 D1.7 21 16 51.8			12 06 29 D4 12	16 24 16 31 12	8453D2 8453D2
35181 BAGU10 C1TY. PH.15.	0504 11 01	21 20 27.7			49 34 36		845302
11043 SHIRAZ'BN+ IRAN 11038 NAINI TAL'BN+ INDIA	9008 11 01	23 05 09.00 23 08 17.53	11 40 54	54 32 76 02			434013 434013
11048 VILLA DOLORES'BN.ARG							
55837 POTSDAM	9011 11 02 2729 11 02	0 18 20.60 0 58 25.1	7 22 06	5 16 26 15			434013 834049
55838 POTSDAM 55839 POTSDAM	2729 11 02 2729 11 02	1 00 24.8	8 28 06 9 18 0D	23 45 20 02			834049 834049
55840 POTSDAM	2729 11 02	1 D4 32.2	9 58 48	15 42			834049
55841 POTSDAM 11344 SHIRAZ'BN+ IRAN	2729 11 02 9008 11 02	1 05 51.0 1 D9 11.92	10 18 42	13 06 57 54			834049 434D13
55842 POTSDAM	2729 11 02	2 56 14.5	3 46 54	26 15			#34049 .
54206 MEUDON: FR: 54207 MEUDON: FR:	2715 11 02 2715 11 02	2 56 14.50 2 57 15.60			237 48 183 56	76 42 83 31	<b>637109</b> <b>637109</b>
SARON COURTERS CO	8078 11 02	2 57 42.5			131 16	33 D6	834309
	2715 11 02 8078 11 02	2 58 09.20 2 58 12.5			122 49 133 42	79 1D 55 24	637109 834309
55843 POTSDAM 54209 MEUDON: FR.	2729 11 02 2715 11 02	2 58 16.7 2 59 11.20	5 07 42	30 48	104 17	69 37	834049 637109
543C6 SPETSAL. GR.	8078 11 02	2 59 33.5			141 48	42 12	#343D9
54307 SPETSAL. GR. 55844 POTSDAM	8078 11 02 2729 11 02	3 00 05.5 3 <b>0</b> 0 15.1	5 41 12	31 21	145 54	45 OD	#34309 #34049
54210 MEUDON. FR.	2715 11 02	3 00 16.10			98 05	59 42	637109
54308 SPETSAL. GR. 54211 MEUDON. FR.	8078 11 02 2715 11 02	3 01 08.5 3 D1 11.20			156 00 95 31	50 06 51 57	. 834309 6371D9
54212 MEUDON. FR.	2715 11 02	3 02 01.60			94 08	45 35	637109
SERVE DOTEDAN	2720 22	3 02 18.5 3 02 40.2	8 29 18	25 48	171 18	5 4 36	834309 834049
54213 MEUDON+ FR. 54310 SPETSAI+ GR.	2729 11 02 2715 11 02 8078 11 02 8078 11 02 2715 11 02	3 03 11.30 3 03 31.5			92 47 191 24	37 45	637109 834309
54311 SPETSAL+ GR. 54214 MEUDON+ FR.	8078 11 02	3 04 05.5			201 18	56 30	834309
54214 MEUDON+ FR. 55846 POTSDAM	2715 11 02 2729 11 02	3 04 07.00 3 05 02.6	9 44 36	17 29	92 10	32 13	637109 83404 <b>9</b>
	8078 11 02	3 65 13.5		-	219 3D	53 42	#34309
54215 MEUDON+ FR. 54216 MEUDON+ FR.	2715 11 02 2715 11 02	3 D5 18.20 3 O6 12.10			91 35 91 18	25 58 21 46	637109 637109
54313 SPETSAL. GR.	8078 11 02 8078 11 02	3 06 30.5 3 D7 04.5			235 12 24D 36	48 00	#343D9
54217 MEUDON+ FR.	2715 11 02	3 D7 12.80			91 04	17 28	8343D9 637109
55847 POTSDAM 54315 SPETSAL: GR.	2729 11 02 8078 11 02	3 07 14.6 3 08 27.5	10 32 54	10 09	250 36	37 36	834049 834309
54316 SPETSAL. GR.	8078 11 02	3 09 05.5			254 06	34 18	. #34309
54317 SPETSAL+ GR. 55848 POTSDAM	8078 11 02 2729 11 02	3 10 20.5 3 10 22.5	11 20 54	1 25	259 30	28 06	#34309 #34049
54318 SPETSAL+ GR+	8078 11 02	3 11 10.5			262 12	24 18	834309
54319 SPETSAL+ GR. 54320 SPETSAL+ GR.	8078 11 02 8378 11 02	9 12 02.5			264 54 268 00	20 54 15 12	#343D9 #343O9
54321 SPETSAL GR.	8078 11 02	3 14 16.5			259 54	12 00	834309
54322 SPETSAL. GR. 54239 MEUDON: FR.	8078 11 02 2715 11 02	3 15 07.0 4 55 04.00			27 06 276 52	9 D6 28 01	834309 637109
5+240 MEUDON+ FR. 5+241 MEUDON+ FR. 5+242 MEUDON+ FR. 5+243 MEUDON+ FR. 5+244 MEUDON+ FR. 5+244 MEUDON+ FR.	2715 11 02 2715 11 02 2715 11 02	4 56 03.80 4 57 08.3D			275 06	33 07	637109
54242 MEUDON+ FR.	2 613 11 02	4 58 03.20	)		272 32 269 25	39 16 45 08	6371D9 <b>637109</b>
54243 MEUDON: FR. 54244 MEUDON: FR.	2715 11 02 2715 11 02	4 59 03.80 5 OD 11.30			264 16 254 43	52 10 60 28	637109
34543 4668011	2715 11 02	5 01 07.20	)		240 32	66 56	637109 637109
54246 MEUDON: FR: 54247 MEUDON: FR:	2715 11 02 2715 11 02	5 02 D7.20 5 03 <b>02.</b> 10			214 31 184 03	71 33 71 14	637109
54248 MEUDON. FR.	2715 11 02	5 04 08.80	)		156 35	65 2D	637109
54249 MEUDON: FR. 54250 MEUGON: FR.	2715 11 02 2715 11 D2	5 05 22.70 5 06 02.70			141 05	56 Q5 50 59	637109 637109
54251 MEUDON - FR.	2715 11 02	5 D7 10.30	)		130 39	42 50	637109
54252 MEUDON+ FR. 54253 MEUDON+ FR.	2715 11 02 2715 11 02	5 08 00.30 5 D9 D9.40			127 57 125 06	37 19 3D 27	637109 637109
54254 MEUDON+ FR. 54255 MEUDON+ FR.	2715 11 02 2715 11 62	5 10 15.00	)		123 16	24 42	637109
34906 NEW ORLEANS. LA.	0036 11 02	5 11 D6.30 8 49 43	,		0 00	20 38 36 00	637109 84530 <b>2</b>

35188 DENVER. COLO.	07 A NO	11 02		71.1	R	. A	•	DECL	•		15		38	24	RANGE	INDER 845303
35189 DENVER, COLO. 11047 WOOMERA®BN, AUSTR.	8592 9003	11 02	10 04		21	32	12	-30 4	2	60			24			845303 434023
35027 TOWNSVILLE, AUSTR.	8578	11 02	10 08	54.0						152	24			34		84530 <b>2</b> 845302
35028 TOWNSVILLE, AUSTR. 35222 WOOMERA, AUSTR.	0603	11 02 11 02	10 08	32.1						152	12		79 21	06		845302 845302
35223 WOOMERA. AUSTR. 35224 WOOMERA. AUSTR.		11 02	10 11	58.0						47 47	18		17	24	•	845302 845302
34938 CHINA LAKE. CAL. 11946 ORGAN PASSIBNE N.M.	9001	11 02 11 02		41.30	1	21	30	70 4	. 6	355		12		12 36		845303 434013
35190 DENVER. LOLG. 34907 NEW ORLEANS, LA.	8592 303 <b>3</b>	11 02	10 55							47	30 00		53	15 04	)	845303
11049 WOOMERA'BNO AUSTRO 35629 SACRAMENTO, CAL.	90 <b>3</b> 3 8517	11 02		15.41	40	46	54	19 0	5	ú	08		6.3	10		434025
35191 DENVERO COLGO 11352 MAUI'EN, HAWAII	8 <b>5</b> 92	11 02 11 02	12 56	06.3	13	20	دد	19 4	25	302	45	00	69	36		845303 434013
54444 TULEAR: MADAG.	5404	11 02 11 02		00.0			-			92				12		845309
54445 TULEAR, MADAG. 54466 TULEAR, MADAG.	6404	11 02 11 02		00.0						74 69				00 18		845309 845309
54447 TULEAR MADAG. 35395 KAGOSHIMA JAPAN		11 02 11 02	16 04	00.0		57		43 (	06	65	48		1 9	42		845309 845002
35398 KAGOSHIMA. JAPAN 35396 YOKKAICHI. JAPAN	0218	11 02 11 04	18 44	31	11			64 3	36							845002 845002
11.55 TORY JIBNI JAPAN	9005 0220	11 02 11 02		19.60		40	42	61 3								434013 845002
35399 YORKALONI JAPAN 3540: RAGOSHIMAT JAPAN	0258	11 02	20 43		د	21		5 <b>C</b>					,			845002 845002
35225 BAGU10 CITY. PH.15.	3504	11 02	20 44	20		٠.		05.	•		20	24		06	3	845302
35400 YATSUSHIRO. JAPAN 35225 BAGUIO CITY. PH.IS.	0272 050•	11 02	20 •1	7 21						16	59		15	ء 7 د		845302 845302
35227 BAGUIO CITY, PH.IS. 11 51 MAIN! FALTUN, INDIA	7006	11 52 11 02	22 36	9 04 ** 0		11	30	83 (	0.7	44	34	45	2.4	ان ود	,	845502 434013
55849 POTSOAM 55850 POTSOAM	2729	1. 03		29.4		5.		24 ( 21 -								834049 884049
55851 POTSOAM 55852 POTSOAM	2729	11 03	€ 3e	34.2	9	28	48	17	1.2							834049
55853 POTSOA™	2729	11 03	2 30	33.7	4	37	00	30								834049 834049
35114 BOCHUM: GER: 35114 BOCHUM: GER:	8599 8599	11 03	2 3	3 0 - 6 3 2 3 - 7	7	48	30	33 ( 32 (	06							845002 845002
55854 POTSDAM 55855 POTSDAM	2729 2729	11 03 11 03	2 3	3 35 1	8	00 19	06	30 ·	11							834049 834049
55855 POTSDAM 55857 POTSDAM	2729	11 03	2 3	7 01.8 9 12.2	10	12 04	. 6	13								834049 834049
55858 POTSDAM 54458 MEUDON, FR.	2729 2715	11 03		2 18.2 8 27.60	10	5 <b>5</b>	18	4	37	.74	> 7		. 32	2,5		834049 637109
54-59 MEUDON, FR. 54-60 MEUDON, FR.	2715 2715	11 03		9 2 - 50						273				33		637109
35116 BOCHUM • GCR • 54461 MEUDOM • FR •	8599 2715	11 03		0 24.7 1 01.90	3	•0	20	24	٥٥	266	06		<b>4</b> 9	07		845002 637109
56038 POTSOAM. GER. 54462 MEUOON. FR.	2729 2715	11 03		1 30.0	**	0.2	1.2	<i>a</i> 1	3-4	261	46		56	57		637109
54453 MEUDON. FR. 11350 SAN FERNANDUINN. SP.	2715	11 03 11 03		3 07.20	7	•1	1.8	73	06		31		65	01		637109 434013
54464 MEUDON: FR. 54465 MEUDON: FR.	2715 2715	11 03	• 3	4 08.20 5 13.00		•					5 4			<b>↓7</b>		637109
35117 30CHUM + GER + 54466 MEUDON + FR +	8599 2715	11 03	<b>4</b> 3	5 56.0	7	14	10	2.3	33		06			עני		845002 637109
54467 MEUDUN . FR .	2715	11 03	• 3	7 11.50 8 Cl.	7		0.0				5.			58		637109
54469 MEUDON, FR.	2715	11 03	4 3	8 13.00		5.	0.9	¥ **	4. /		15			44.4		834049 637109
54469 MEUQUN: FR. 35118 BOCHUM: GER.	2715 8599	11 03	6.3	9 34.6	4	26	40	ý	49		05			21 		637109 845002
54470 MEUOON + FR. 54471 MEUOON + FP.	2715 2715	11 03 11 03	4 4	0 11.40						122	37	•	3 4	55		637109
54472 MEUOUN: FR. 54473 MEUOON: FR.		11 03 11 03	4 4	3 12.40						119	38	•	2.	39		637109 637109
54474 MEUDON . FR. 54475 MEUDON . FR.	2715	11 03 11 03	4 4	4 03.50 5 01.90							3 22			28		637109 637109
55864 R005#ISCH+ GE₽#	2729	11 03	4 4	5 50 3	1.1		2.	-12 -10								834049 834009
54476 MENDON: FP. 11058 JUPITER'BN: FLA.	2715	11 03 11 03		6 05.50		5 50	36	8.5	30	116	5 5 4	•	1	22		637109 434013
11059 JUPITER'SN. FLA. 11050 JUPITER'SN. FLA.		11 03 11 03		0 18.63			30									434013 434013
35030 TOWNSVILLE: AUSTR. 35031 TOWNSVILLE: AUSTR.				1 27.9							9 51			9 47		845302 845302
35192 OENVER+ COLU.	8592	11 03 11 03	10 2	2 00.0						321	4:	5 00		5 15 5	0	845303 845303
11961 JUPITER'BN. FLA. 35034 NEW ORLEANS. LA.	9010	11 03 11 03	10 2	6 09 • 49 7 54		1 27	30	61	••		0 00	0		1 00		434013
11362 JUPITERIUM, FRA. 35033 KANSAS CITY, MO.	9010	11 03	10 2	9 29.94		5	s •8	78	48		5 41		4			+34013 #45303
11053 WOOMEPATHN. AUSTR. 54887 SPOKANE, WASH.	9003	11 03 11 03	11 4	0 52.59	2 (	2:	12	17	<b>4</b> 3		5 00			3 24		434013 845309
54888 SPOKANE: WASH. 11371 MAULIBN: MAWALL	8142	11 03	12 3	38.5	د	, .	. 00		,,,	110	6 5			30		845309 434013
54448 TULEAR . MADAG.	6404	11 03	17	0.00	•	. 7	, 01	80	40	23	5 2			6 48		845309
54449 IULEAR, MADAG. 11963 OLIFANISENTN'BN.S.AF	9002		17 2	27 00.0 27 21.50	1	7 2	7 54	-44	1 1		7 4.			9 54		845309 434023
54450 TULEAR, MAGAG. 54451 TULEAR, MAGAG.	6404	11 03	17 2	28 00.0						24	1 1	4	1	4 00 8 48		845309
54452 TULEAR+ MAGAG.	6404	11. 03	17	30 00.0						25	0 4	2	2	7 18		845309

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55872 POTSOAM 54498 MEUDON+ FR.	2729 11 2715 11	06 1 06 1	14 24.9	8 29 18	22 27	84 59	23 40	834049 637109
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54501 MEUDON: FR. 54502 MEUDON: FR.	2715 11	06 1	18 00.60	. 34 30	13 42	83 48 83 28	12 35	637109
55874 POTSDAM 54503 MEUOON+ FR.	2715 11	0 4 1	20 18.1	10 15 54	6 24	63 16	4 41	834049 637109
55029 SPETSAI+ GR. 54504 MEUOON+ FR. 54547 EL GULEA+ ALG.	2715 11	06 3	11 00.26 11 48.60 12 00.0			125 31 12 195 19 16 00	26 54 00 80 <b>2</b> 1 38 00	637109 637109
55030 SPETSAL GR. 55031 SPETSAL GR.	8078 11	06	3 12 02.26 3 12 46.26			127 00 00 128 18 00	32 03 36 36 06 00	834309 834309
34505 MEUDON: FR. 54548 EL GULEA: ALG.	6411 11	06 3	3 12 49.30 3 13 00.0			26 00	75 59 37 00	637109
54548 EL GULEA, ALG. 55032 SPETSAI, GR. 54506 MEUDON, FR. 54549 EL GULEA, ALG.	2715 11	06	3 13 52.26 3 13 56.40 3 14 00.0			130 52 48 125 32 34 30	66 32 35 24	834309 437109 845309
54507 MEUDON: FR. 55033 SPETSAL: GR.	2715 11	06	3 14 47.60 3 14 57.26			119 48 134 32 24	58 59	637109
34550 EL GULEA: ALG. 35875 POTSOAM	6411 11 2729 11	0 <b>6</b> 0 <b>6</b>	3 15 00.0	8 49 00	9 51	42 42	33 12	845309
54508 MEUOON+ FR. 55034 SPETSAI+ GR. 54551 EL GULEA+ ALG.	8078 11	04	3 15 31.50 3 15 51.26 3 16 00.0			116 01 139 09 00 50 00	53 08 57 07 12 30 18	637109 834309 845309
54509 MEUDON. FR. 55035 SPETSAL. GR.	2715 11	06	3 16 24.60			113 42 146 18 36	46 30 64 06 00	637109
54510 MEUDON. FR.	2715 11	06	3 17 00.0 3 17 15.60			56 06 111 57	27 12 40 38	845309 637109
55036 SPETSAI. GR. 54553 EL GULEA. ALG. 54511 MEUOON. FR.	5 411 11	06	3 17 42.76 3 18 00.0 3 18 20.90			162 31 12 61 42 110 38	72 01 48 24 00 33 58	834305 845305
56155 MEUDON 54554 EL GULEA: ALG.	2715 11	06	3 18 37.58 3 19 00.0	10 04 44	5 19	66 18	20 42	637106 637045 845309
56156 MEUOON 55037 SPETSAL. GR.	2715 11	06	3 19 03 · 10 3 19 11 · 76	10 01 13	3 58	221 07 12	77 01 48	637049 834309
54512 MEUDON: FR. 54555 EL GULEA: ALG.	6411 11	06	3 19 31.90 3 20 00.0			109 32 70 24	27 34 17 24	637109 845309
56157 MEU0ON 54513 MEU0ON FR. 55038 SPETSAI GR.	2715 11	06	3 20 01.68 3 20 10.10 3 20 13.26	10 02 03	5 56	109 01 256 18 00	24 27 71 30 00	637049 637109 834309
54556 EL GULEA, ALG. 54514 MEUCON+ FR.	6411 1	06	3 21 00.0 3 21 20.60			74 00 108 33	14 12 19 18	845309 637109
55039 SPETSAI+ GR. 54557 EL GULEA+ ALG.	8078 1. 6411 1	0.6	3 21 25.36 3 22 00.0			273 28 48 77 00	12 24	834309
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55041 SPETSAL+ GR. 55042 SPETSAL+ GR. 55043 SPETSAL+ GR+	8078 1	1 06	3 24 27.26 3 25 36.26 3 26 22.26			287 48 36 290 05 24 291 13 48	38 26 24 31 28 48 27 16 12	834309 834309 834309
55044 SPETSAL GR. 55045 SPETSAL GR.	8078 1	06	3 27 16.26 3 28 12.26			292 22 48 293 20 24	22 48 36 18 34 48	834309 834309
55046 SPETSAL GR. 55047 SPETSAL GR.	8078 1	1 06	3 29 14.26 3 30 22.26			294 16 12 295 06 00	14 19 12 10 06 00	834309 834309
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35250 BAGU10 CITY. PH.15. 55251 BAGU10 CITY. PH.15.		11 06 11 06	21 07 18.1 21 10 25			58 10 12	27 30 00 19 31 1e	845302 845302
35252 BAGUIO CITY+ PH-IS- 11092 MAINI TAL'BN+ INOIA	9906	11 06 11 06	21 13 44.1 22 58 46.44	11 21 18	43 15	92 19 48	9 46 12	845302 434013
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54526 MEUQON: FR. 55050 SPETSAL: GR.	8078	11 07	2 50 02.30 2 50 37.70			107 40 196 54 36	36 13 72 04 46	637109 834309
54527 MEUDON+ FR. 54528 MEUDON+ FR.	2715 2715	11 07 11 07	2 51 08.80			106 44 106 T1	10 01	637109 637109 637109 637109 637109 637109 834309 637109 834309 637109
55051 SPETSAl. GR. 54529 MEUOON: FR.	8078 2715	11 07 11 07	2 52 43.70			256 06 36 105 24	60 07 16 06	037109
55052 SPETSAl+ GR+ 54530 MEUOOM+ FR+	8078 2715	11 07 11 07	2 54 13.70 2 54 19.50			271 54 00 105 16	15 40	6.17.05
55053 SPETSAL+ GR. 55054 SPETSAL+ GR.	8078	11 07 11 07	2 55 <b>41.70</b> 2 56 19.70			276 06 24 281 38 24	45 .5 45 39 01 48	894309 834309
55055 SPETSAL. GR. 55056 SPETSAL. GR.	8078	11 07 11 07	2 58 05.70 2 59 03.70			285 52 12 287 30 36		234309 234309
55057 SPETSAL. GR. 55058 SPETSAL. GR.	8078	11 07	3 00 13.70 3 01 20.70			289 36 00 290 21 00	18 44 1.	400 mm
55059 SPETSA1. GR. 54590 MEUOON. FR.	8078	11 07	1 02 13.70			291 30 00 273 04		637.09
55878 POTSOAM 54591 MEUDON - FR.	2729	11 07	4 42 51.6	3 31 54	15 57	269 40	34 40	037107
54592 MEUDON. FR.	2715	11 07 11 07 11 07 11 07 11 07 11 07 11 07 11 07 11 07 11 07	4 44 11.10			264 96	39 43	637101
55879 POTSOAM 54593 MEUDON: FR:			4 44 49.4		15 13	297 05	44 3.	634743
34393 MEUUUM, FK.	2 (1)	11 07 11 07	4 46 07.40			247 57 235 35	49 00 52 47	637109 637109 637109 637109
54596 MEUOON. FR. 55880 POTSOAM	2715	11 07 11 07	4 48 05.50 4 49 06.5	6 15 36		221 15	54 53	674547
54597 MEUDON+ FR.	2729	11 07	4 51 33.0 4 52 08.50		- 3 13	167 43	43 28	637104
54598 MEUDON: FR.	2715	11 07 11 07	4 53 02.60			161 14 155 J6	36 53 36 66	637104
54600 MEUDON: FR. 11094 JUPITER'BN: FLA.	9010	11 07 11 07	6 37 33.69		79 35	150 >5	. 6 13	037.07 434013
11095 JUPITER'BN, FLA. 11096 JUPITER'BN, FLA.	9010	11 07 11 07	8 45 29.22 8 50 59.55					434013 434013
35255 SYDMEY. AUSTR. 35256 SYDNEY. AUSTR.	0602	11 07	9 51 50.3	18 59 20 ±3 30	15 12 35			845049
11097 JUPITER'BN. FLA. 35257 PUEBLA. MEX.	9010	11 07 11 07 11 07	10 40 59.87		56 49			434013 845043
11098 JUPITER'BN: FLA. 11099 JUPITER'BN: FLA.	9010	11 07 11 07	10 50 39.57 10 53 36.19	10 54 24	24 38			434013 434013
35253 BAGUIO CITY + PH-15 + 35258 HSINGCHU CITY + TAIWAN	0504		11 57 31 11 59 14.1	43 07 18		184 00	20 34 00	84530Z 84504Z
35254 BAGUIO CITY. PH.15. 35260 SACRAMENTO. CAL.	0504 8517	11 07	11 59 28 12 40 00 6		30 40	177 04 48	51 .7 48 83 01	542302 542304
35195 DENVER. COLO.	8592	11 07	12 41 57.0			271 30	49 36	8 4 5 3 0 3
35196 DENVER. COLO. 11811 MAUL-BN. HAWALL	8592 9012	11 07	12 44 58.2	2 11 51 12	57 04	205 18	61 00	645303 434013
35432 MITAKA+ JAPAN 35435 HIGASHIMATSUYAMA+JAR		11 07	16 29 59.0 16 31 06.7	10 33	40 24		30 06	845303
35433 MITAKA: JAPAN 35434 MITAKA: JAPAN	0229	11 07	16 31 10.5 16 32 27.4			57 06 61 42	20 44	845303 845303
35436 MITAKA+ JAPAN 35437 MITAKA+ JAPAN	0229	11 07	18 28 16.7 18 30 26.2			335 12 4 54	50 24 60 00	84>303 845303
35439 KAMAYA MACHI: JAPAN 11102 TOKYO'BN: JAPAN	0220 9005	11 07	18 30 44.8 18 33 51.00	9 18	63 30 42 38			845002
35438 MITAKA+ JAPAN 35440 MITAKA+ JAPAN	0229		18 34 26.5			70 24 288 12	49 45 40 48	845303 845303
35445 YATSUSHIRO: JAPAN 35443 YOKKAICHI: JAPAN	0272	11 07	20 35 05 20 36 10	8 01	25	0 00	51 12	845302
55441 MITAKA. JAPAN 35261 BAGUIO CITY. PH.IS.	0229	11 07	20 36 45.3	-		226 24 59 18	06 12	845303 845302
35446 MIYAZAKI . JAPAN 35442 MITAKA. JAPAN	0230	11 07	20 40 19.2	10 57 54	3 54			845002 845503
35262 BAGUIO CITY PH.IS. 35444 KANAYA MACHI, JAPAN	0504	11 07	20 42 24.5	17 15	-13	75 00	17 37 48	845302
35263 BAGUIO CITY+ PH.IS+ 56148 USIMINAS	0504		20 47 45.5	22 39 00		95 19 48	3 .6 24	842302
JULYO USINIANS	0147		-1 -0 2/00	44 37 01		•		842004

56149 USIMINAS 56150 USIMINAS 56151 USIMINAS 11093 NAINI TAL'BN& \$NDIA	9006 11	07 07 07		Re A. 42 44 12 22 58 00 23 25 42 40 30 36 21 25 42	DECL. 11 55 15 40 47 54 65 09 -16 37	AZ SMUTH	ALTITUUL	RANGE INDEX 845009 845009 845009 434013 434013
54907 EREVAN USSR 54908 EREVAN USSR 54898 KRASMODAR USSR 35376 BOCHUM GER. 35377 BOCHUM GER. 35378 BOCHUM GER. 35378 BOCHUM GER. 35378 BOCHUM GER. 35378 BOCHUM GER. 35379 BOCHUM GER.	1018 11 1027 11 1027 12 8599 11 8599 11	38 08 08 08 08 03 03 08 08 08	0 20 34.1 0 29 36.8 2 18 34.6 2 20 12	10 04 10 43 7 01 24 7 57 57	19 . 7			845009 845009 845009 845009 845042 845042 845043 8450042 845043
54604 EL GULEA. ALG. 55060 SPETSAI. GR. 54605 EL GULEA. ALG. 55061 SPETSAI. UR. 54606 EL GULEA. ALG. 34607 EL GULEA. ALG. 55062 SPETSAI. GR. 54608 EL GULEA. ALG. 54609 EL GULEA. ALG.	8078 11 8078 11 8078 11 8078 11 8078 11 8078 11 8078 11	1 08 1 08 1 36 1 08 1 08 1 08 1 08 1 08	4 26 00.0 4 26 40.43 4 27 00.0 4 27 43.43 4 28 00.0 4 29 00.0 4 29 39.43 4 30 00.0 4 31 00.0			65 49 1. 8, 30 48 16 1.	53 05 2 34 55 12 47 36 2 56 46 48 41 42 35 54 52 09 00 30 30 25 24	845309 834309
35378 BOCHUM, GER. 58896 EREVAN, USSK 35264 PUEBLA, MEX. 35379 BOCHUM, GER. 35380 BOCHUM, GER. 58604 EL GULEA, ALG. 55060 SPETSAI, GR. 58607 EL GULEA, ALG. 55061 SPETSAI, GR. 58607 EL GULEA, ALG. 55062 SPETSAI, GR. 58608 EL GULEA, ALG. 58609 EL GULEA, ALG. 58609 EL GULEA, ALG. 58601 EL GULEA, ALG. 58611 EL GULEA, ALG. 58612 EL GULEA, ALG. 58613 EL GULEA, ALG. 58613 EL GULEA, ALG. 58613 EL GULEA, ALG. 58614 EL GULEA, ALG. 58615 EL GULEA, ALG. 58616 EL GULEA, ALG. 58617 EL GULEA, ALG. 58618 EL GULEA, ALG. 58618 EL GULEA, ALG. 58617 EL GULEA, ALG. 58618 EL GULEA, ALG. 58618 EL GULEA, ALG. 58617 EL GULEA, ALG. 58618 EL GULEA, ALG. 58618 EL GULEA, ALG. 58618 EL GULEA, ALG. 58618 EL GULEA, ALG. 58616 EL GULEA, ALG. 58617 EL GULEA, ALG. 58618 EL GULEA, ALG. 5861	8078 11 6411 11 5411 11 5078 11 6411 11 5411 1 6411 11 6411 11 6411 1	1 08 1 08 1 08 1 08 1 08 1 08 1 08 1 08	+ 31 15.43 + 32 00.0 + 33 00.0 + 33 04.43 + 34 00.0 + 35 00.3 + 36 00.0 + 37 00.0 5 37 55.64	0 19 54		358 36 3 103 30 105 18 346 31 1 107 06 108 30 110 00 111 06	41 42 35 54 2 52 05 06 30 30 25 24 6 44 45 06 20 30 17 00 2 34 41 2 13 06 6 30 3 06	834309 845309 845309 834309 845309 845309 845309 845309
11104 JUPITERIUM. FLA. 35265 CINCHMATI, OHIO 11105 JUPITERIUM, FLA. 35266 N.CANTON, OHIO 35267 N.CANTON, OHIO 11106 JUPITERIUM, FLA. 35259 MSINGCHU CITY, TAIHAN 35266 IAIPET, IAIWAN 35269 SACRAMENTO, CAL	7010 1 8555 1 90,0 1 8572 1 8559 1 9010 1 0505 1 8517 1	1 08 1 08 1 08 1 08 1 08 1 08 1 08 1 08	10 11 45.36 10 16 16 .0 16 23.45 10 16 56.2 10 17 27.5 10 27 59.0 11 34 02.0 11 34 13.3 12 11 38.4	5 49 42 7 33 7 51 12 12 36 18 0 26 30 0 15 30	55 35 65 32 26 48 23 38 -12 58	0 00	86 36 78 19	434013 045042 84303 434013 845042 84504 041304
35259 MSINGCHU CITYITAIHAN 35269 SACRAMENTO: CAL. 54891 SPOKANE: HASH. 54893 SPOKANE: HASH. 54893 SPOKANE: HASH. 11113 MAUI'BN: MAHAII 35270 SACRAMENTO: CAL. 11107 TOKYO'BN: JAPAN 35447 SAPPORO: JAPAN 11108 TOKYO'BN: JAPAN 35468 YOKKAICHI: JAPAN 35468 YOKKAICHI: JAPAN	8142 1 8142 1 8142 1 9012 1 8517 1 9005 1 0245 1 9005 1	1 08 1 08 1 08 1 08 1 08 1 08 1 08 1 08	12 12 54.4 .1 18 57.4 12 22 27.2 14 13 08.72 15 21 36.5 18 09 41.90 18 09 30 20 08 01.10 20 12 22	11 45 47 9 23 46 10 22 7 12 18 10 07	55 <b>49</b> 52 31 9 26 25	180 00 141 00 135 00 180 00	60 10 1. 25 42 11 18 32 53	845302
54903 EREVANI USSA 54904 EREVANI USSA	1018 1 1018 1	1 08	23 56 40.7 23 58 19.6 1 51 35 1 52 30.03		80 29 43 00 31 54 25	100 22	52 17	434013 845009 845009 845042 834309
35381 BOCHUM: GER. 54626 BESANCON: FR. 54627 BESANCON: FR. 54629 BESANCON: FR. 54630 BESANCON: FR. 54630 BESANCON: FR. 54897 EREVAN: USSR 54897 EREVAN: USSR 54898 EREVAN: USSR 54631 BESANCON: FR. 35383 BOCHUM: GER.	2727 1 2727 1 2727 1 2727 1 8599 1 1010 1	1 09 1 09 1 09 1 09 1 09 1 09	1 53 02.03 1 54 27.33 1 55 24.10 1 56 13.22 1 56 36.6 1 56 42.4 1 57 37.0	9 22 36 5 21 36 5 57 18	8 45 34 00 31 54	100 10 100 05 100 01 100 06	48 19 36 41 33 09 28 47	83+309 83+309 834309 834309 845042 845009
54631 BESANCON: FR. 35383 BOCHUM: GER. 54632 BESANCON: FR. 35384 BOCHUM: GER. 35385 BOCHUM: GER.	2727 1 8599 1	1 09 1 09 1 09 1 09 1 09 1 09	1 57 38.32 1 58 02.1 1 58 04.73 1 59 18.92 3 49 25.2 3 51 10.5		1 27 20 36 19 27	100 10 100 16 100 22	22 09 20 17 15 25	834309 834309 845042 834309 834304 845042
11110 SAN FERNANDO'BN. SP. 5528 SPETSAI. GR. 35386 BOCHUM. GER. 55289 SPETSAI. GR. 55290 SPETSAI. GR. 11124 MAU! BN. HAWAII	8078 1 8599 1 8078 1 8078 1 9012 1	11 09 11 09 11 09 11 09 11 09	3 52 25.30 3 54 18.92 3 55 41.5 4 00 24.42 4 11 53.92 5 14 51.64	7 52 4B 7 36 26 2 00 48	59 02 4 45 -19 47	30 36 ( 324 59 2	00 61 49 1	845042 2 834309 2 834309 434013
11111 SAN FERNANDO'BN. SP. 11157 JUPITER'BN. FLA. 11158 JUPITER'BN. FLA. 11114 ORGAN PASS'BN. N.M. 35271 PUEBLA. MEX. 35272 PUEBLA. MEX. 35273 PUEBLA. MEX. 11159 JUPITER'BN. FLA.	9010 1 9010 1 9001 1 9001 1 0900 1 0900 1	11 09 11 09 11 09 11 09 11 09 11 09 11 09	5 55 08.60 7 45 31.06 7 49 45.88 9 42 46.19 9 43 57.7 9 49 15.5 9 51 49.3 9 53 31.59	5 48 06 10 58 30 10 18 30 8 48 30 11 30 00 11 52 54 12 04 48 10 25 36	28 29 63 05 44 35 72 58 88 08 56 48 42 23 38 28			434013 434013 434013 434013 845043 845043 845043 434013
35274 HSINGCHU CITY:TAIWAN 35275 SACRAMENTO: CAL. 11115 ORGAN PASS'BN. N.M. 35276 SACRAMENTO. CAL. 11125 HAUI'BN. HAWAII 54690 TULEAR. MADAG. 54692 TULEAR. MADAG. 54692 TULEAR. MADAG.	0505 1 8517 1 9001 2 8517 1 9012 1 6404 1 6404 1	11 09 11 09 11 09 11 09 11 09 11 09 11 09	11 05 41.1 11 43 10.7 11 48 54.22 13 52 40.8 15 49 14.55 16 48 00.0 16 49 00.0 16 50 00.0 16 51 00.0	0 41 42 8 10 18	~38 42 42 04 43 52	0 00 180 00 264 00 269 12 276 36 284 42	74 16 39 46 10 18 12 06 14 30 16 18	845042 641304 434013 641304 434013 845309 845309 845309 845309

OBS NO STATION 54694 TULEAR, MADAG, 54695 TULEAR, MADAG, 54696 TULEAR, MADAG, 54697 TULEAR, MADAG, 54698 TULEAR, MADAG, 54700 TULEAR, MADAG, 54700 TULEAR, MADAG, 54702 TULEAR, MADAG,	5TA NO DATE 5404 11 09 6404 11 09	TIME 16 52 00.0 16 53 0D.0 16 54 D000 16 55 30.0 16 55 00.0 16 57 00.0 16 58 30.0 16 59 00.0 17 00 00.0	R. A.		AZ 1MUTH 293 18 302 18 312 24 323 42 327 42 334 12 343 90 359 12	ALTETUDE 17 30 17 54 17 42 15 48 15 12 13 18 10 18 9 06 6 48	RANGE INDEX 845309 845309 845309 845309 845309 845309 845309 845309 845309
35449 KANAYA MACHI. JAPAN 11117 NAINI TAL'BN. INDIA 35514 BAGUIO CITY. PH.IS. 35515 BAGUIO CITY. PH.IS. 11122 CURACAO'BN. N.W.I. 11118 NAINI TAL'BN. INDIA	0220 11 09 9006 11 09 9504 11 09 0504 11 09 9009 11 09 9006 11 09	19 43 29 21 33 15.46 21 41 24.6 21 44 15.6 22 50 49.66 23 39 10.18	1 35 48 9 32 00	10 43 16 -24 40 22 12		43 45 48 63 37 48	845002 434013 845302 845302 434023 434013
35277 PUEBLA, MEX. 11152 JUPITERIBN, FLA. 11153 JUPITERIBN, FLA. 11154 JUPITERIBN, FLA. 54634 MEUDON, FR. 54635 MEUDON, FR. 54909 KRASNOUAR, USSR 54636 MEUDON, FR. 54911 EREVAN, USSR 54910 KRASNOUAR, USSR 54910 KRASNOBAN, USSR 54913 TCHERNOVITSY, USSR 54912 EREVAN, USSR 54914 TCHERNOVITSY, USSR 54914 TCHERNOVITSY, USSR	1018 11 10 1362 11 10 9008 11 10	0 47 41.2 0 49 44.84 0 52 31.49 1 25 50.40 1 26 17.50 1 26 32.5 1 27 07.40 1 28 16.90 1 29 13.10 1 29 35.6 1 30 47.0 1 31 15.9 1 31 43.4 1 33 42.55	7 02 7 19 00 7 10 18 6 29 12 6 54 36	-42 09 -48 38 -38 51 -34 37 -32 48 -38 60 -22 48 -22 30 -27 16 -3 43 33	98 19 98 07 97 45 97 22 97 14	33 45 31 16 27 00 21 49 17 >8	845043 434023 434023 434023 637109 637109 845009 637109 845009 637109 845009 845009 845009
54643 MEUDON. FR. 35589 BOCHUM, GER. 54617 EL GULEA, ALU, 54644 MEUDON. FR. 54645 MEUDON. FR. 54618 EL GULEA, ALU, 54646 MEUDON. FR.	2900 11 10 8599 11 10 2715 11 10 2715 11 10 2715 11 10 6776 11 10 6776 11 10 6776 11 10 6711 11 0 2715 11 10 8599 11 10 8599 11 10 8599 11 10 6411 11 10 2715 11 12 6715 11 12	2 49 17.4 3 23 04.4 3 23 24.00 1 24 02.60 3 25 06.80 1 25 43.90 3 26 04.70 3 26 04.70 3 27 04.50 3 27 04.50 3 28 00.0 1 28 10.60 3 29 01.20 3 30 00.0 3 30 01.60	6 43 58 7 38 30		224 24 10 04 10 06 11 07 48 14 7 00 10 13 15 7 09 11 00 14 7 43 14 3 42 4 3 54 13 9 34	53 48 52 48 45 58 41 27 53 34	845042 637109 637109 637109 637109 637109 637109 6453042 637109 845042 645309 637109 637109 637109
SHOP THEODON: FR. SHOP BE GULEA. ACU. SHOP BE GULEA. ACU. SHOP BEODON: FR. SHOP BEDOON: FR.	2715 11 10 10 6 11 1 10 17 17 15 11 10 10 17 17 15 11 10 10 17 17 15 11 10 17 17 17 17 17 17 17 17 17 17 17 17 17	3 40 00.0 3 41 00.0 3 42 00.0 3 43 04.40			135 58 65 00 133 49 12 22 12 2 11 80 00 130 46 27 19 89 12 95 24 100 00 101 54 103 06 514 34 46	20 42 36 06 10 51 12 16 27 00 18 42 11 30 6 00 5 06	637109 645309 637109 637109 637109 645309 637109 645309 845309 845309 845309 845309
J5390 BOCHUM, GLA. J5391 BOCHUM, GLA. J1116 SAN FERNANDOUGN, JP. J5392 BOCHUM, GER. J1155 JUPITER'BN, FLA. J1119 ORGAN PASS'BN, N.M. J1130 CURACAU'BN, N.W.I. J5279 HSINGCHU CITY, TAIWAI J5280 HIYAZAKI, JAPAN J5280 HSINGCHU CITY, TAIWAI J5285 CHINA LAKE, CAL. J5286 GHINA LAKE, CAL.	8529 11 10 9616 11 16 9661 11 16 9661 11 16 9060 11 16 9069 11 10 9069 11 10	5 27 09.60 5 30 16.4 9 17 42.67 9 18 36.10 9 19 23.90 9 28 36.02 10 38 13.5 10 42 20.5 10 42 24.1 11 14 37.4 11 16 57.2	7 J6 06 . 38 18 10 .7 30	1 09 31 47 7 45 68 01 45 04 71 51 57 31 -42 42 -32 4	0 00 14 25 1 275 15 00		845042 434013 845042 434013 434013 434013 434013 645042 645042 645042 645303 645303
35287 OENVER- COLE.  1120 ORGAN PASSIBI, N.M. 35281 HSINGCHU CITY-TALWA 35284 SACRAMENTO. CAL. 54719 TULEAP, MADAG. 54723 TULEAP, MADAG. 54723 TULEAR, MADAG. 54724 TULEAR, MADAG. 54724 TULEAR, MADAG. 54724 TULEAR, MADAG. 54724 TULEAR, MADAG. 55724 MITAKA, JAPAN 35543 KAĞGSHIMA, JAPAN 35544 MITAKA, JAPAN 1130 TOKYOTEN, JAPAN 15545 MITAKA, JAPAN 15546 MITAKA, JAPAN	8592 11 10 9001 11 10 9 0585 <b>11 4</b> 0	11 19 43 e 11 2. 28 e 12 3d 35 e 12 40 av 2 13 23 38 e 16 45 00 e 16 26 33 e 16 48 00 e 16 27 00 e 16 30 00 e 16 30 00 e 16 30 00 e 17 00 14 e 17 17 18 e 19 00 e 19 00 e 19 00 e 10 0	10 49	34 31 -27 00 -19 12 41 54	180 00 274 00 287 48 292 48 503 00 312 48 332 24 57 12 65 18 71 42 297 36		845303 434013 843042 845042 641304 845309 845309 845309 845303 845303 845303 845303 845303

OBS NO STATION 35547 KANAYA MACHI, JAPAN 35546 MITAKA, JAPAN 11132 NAINI TAL'BN, INOIA 35516 BAGUIO CITY, PH.IS. 35517 BAGUIO CITY, PH.IS. 35518 BAGUIO CITY, PH.IS. 11140 SHIRAZ'BN, IRAN 54917 FRUNZE, USSR 54918 FRUNZE, USSR 54919 FRUNZE, USSR 11133 NAINI TAL'BN, INOIA	STA NO OATE 0220 11 10 0229 11 10 9006 11 10 0504 11 10 0504 11 10 9008 11 10 1058 11 10 1058 11 10 9006 11 10	TIME  19 15 42+0  19 15 52-2  21 04 24-99  21 09 07-2  21 15 37-2  21 29 37-1  23 01 12+55  23 02 15+3  23 03 07-8  23 04 31+95	R. A. 10 05 10 22 24  9 39 48 4 56 00 5 42 30 5 35 00 4 29 48	OECL. 10 48 57 12 67 43 36 00 32 00 32 00 58 16	AZIMUIH 136 06 330 18 36 6 49 48 125 42 00	ALIITUDE N. 53 18 23 00 36 57 20 24 5 30 00	ANGE 1NDEX 845002 445303 434013 845302 845302 845302 845009 845009 845009 434013
55886 ROOEWISCH: GER: 11141 SHIRAZ'BN: IRAN 54916 EREVAN: USSR 55887 ROOEWISCH: GER:	1018 11 11 2733 11 11 9008 11 11 1018 11 11 2733 11 11		22 59 12 5 26 42 9 27 54 4 27 24	-38 00 -29 20	173 56 156 27 144 55 140 56 136 50 131 26 130 13 129 17 127 49 126 42 125 42 124 54	64 46 08 20 40 39 40 35 39 54 29 08 26 24 23 58 19 28 15 42 11 41 6 41	845043 434013 845009 834009 834009 834009 834009 834009 637109 637109 637109 637109 637109 637109 637109 637109 637109
35289 PUEBLA: MEX.  1120 ORGAN PASS'HN, N.M.  54652 MEUDON: FR.  54653 MEUDON: FR.  54654 MEUDON: FR.  54655 MEUDON: FR.  54656 MEUDON: FR.  54656 MEUDON: FR.  54656 MEUDON: FR.  54661 MEUDON: FR.  54661 MEUDON: FR.  54662 MEUDON: FR.  54664 MEUDON: FR.  54664 MEUDON: FR.  54666 MEUDON: FR.  54666 MEUDON: FR.  54666 MEUDON: FR.  54667 MEUDON: FR.  54668 MEUDON: FR.  54668 MEUDON: FR.  54669 MEUDON: FR.  54670 MEUDON: FR.  54671 MEUDON: FR.  54671 MEUDON: FR.  54672 MEUDON: FR.  54673 MEUDON: FR.  54673 MEUDON: FR.  54675 MEUDON: FR.  54676 MEUDON: FR.  54677 MEUDON: FR.  54678	2715 11 11 2715 11 11	3 09 05+80 3 10 02+80 5 07 46+90 5 03 06+70 5 04 07+20 5 04 17+90 5 05 04+93 5 05 06 15-30 5 07 05-70 5 08 12-10 5 09 16-20 5 10 21-60 6 54 10 8 56 03-5	6 45 9 45 15	2 38 u 2u	124 16 123 42 199 53 197 30 190 40	3 49 3 02 30 42 19 56 27 06	637109 637109 637109 637109 637009 637009 637109 637109 637109 637109 637109 637109 637109
35549 KANAYA MACHI, JAPAN 35570 KAGOSHIMA, JAPAN 35551 KAGOSHIMA, JAPAN 35296 CHINA LAKE, CAL. 35297 ALBUQUERQUE, N.M. 35290 PUEBLA, MEX. 35291 PUEBLA, MEX. 35519 BAGUIO CITY, PH-IS. 35520 BAGUIO CITY, PH-IS. 35521 BAGUIO CITY, PH-IS.	022C 11 11 0218 11 11 0218 11 11 8588 11 11 8579 11 11 090C 11 11 090C 11 11 0504 11 11 0504 11 11	10 11 58 10 13 57.5 10 14 59 16 48 19.6 10 50 57	11 20 48 20 48 23 00 0 29 0 55 29 06 31 36	-27 -27 -34 -34 -29 -44 27 -9 06 -25 48 -20 48	230 49 48 233 55 48	63 3y 36 76 16 V 36 36 20 31 44 39 37 48	#34013 845002 845002 845002 845002 845303 845303 845343 845343 845302 845002 845002
35553 KAGOSHIMA, JAPAN 35554 KAGOSHIMA, JAPAN 35552 MIYAZAII, JAPAN 35528 ALBUDULROUE, N.M., 56657 MEUOON, FR. 11134 NAINI TALIBN. INDIA 54725 TULEAR, MADAG, 54727 TULEAR, MADAG, 54727 TULEAR, MADAG, 54730 TULEAR, MADAG, 54730 TULEAR, MADAG, 54731 TULEAR, MADAG, 54731 TULEAR, MADAG, 54731 TULEAR, MADAG, 54732 TULEAR, MADAG, 54733 TULEAR, MADAG, 54734 TULEAR, MADAG, 55734 TULEAR, MADAG, 55734 TULEAR, MADAG, 55735 MITARA, JAPAN	6404 11 11	13 02 15.3 13 02 32.10 14 11 48.76 15 56 30.0 15 57 00.0	21 12 30	-20 53	180 00 132 25 306 12 311 42 322 36 332 00 344 42 350 06 352 30 357 00 360 42 4 06 62 44 69 12	25 %6 31 37 45 00 44 36 23 12 21 05 17 00 15 24 12 30 9 %2 6 54 4 44 36 44 37 18	847002 847303 637109 427013 647309 647309 647309 647309 847309 847309 847309 847309 847309
35557 MITAKA+ JAPAN 55294 SPETSAL+ GR+	0 229 11 11 8078 11 11 0 218 11 11 0 229 11 11 0 224 11 11 9 005 11 11 9 005 11 11 0 229 11 11 0 229 11 11 0 229 11 11 0 258 11 11 0 258 11 11 0 250 11 11 0 250 11 11	16 43 45.9 18 06 08.12 18 07 18.12 16 39 21 18 40 01.6 18 40 39.2 18 41 39.60 18 44 28.9 18 47 00.6	5 30 6 13 5 43 30 10 06 10 28 5 59 6 07	67 24 56 00 45 26 12 - 1 9	73 24 356 10 48 349 06 36 305 48 123 06 125 42 333 46 12 350 7 238 30	29 30 16 40 12 20 58 48 55 24 80 48 56 36	845303 845309 845002 845303 845002 434013 845303 845503 845002 845502 845002 845002 845002 845002 845002

35566 MITAKA: JAPAN 35567 MITAKA: JAPAN	STA NO DATE 0229 11 11 0229 11 11 0500 11 11 0504 11 11 9007 11 11 9009 11 11	T1ME 20 48 03.5 20 48 52.4 20 49 47 20 50 21.3 20 58 07.4 23 50 14.65 24 57 32.75	R. A. 19 18 12 23 00 48	26 00 6 18			1/10EA 645303 845302 845302 845302 645302 434013
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35308 SACRAMENTO, CAL. 54676 MEUDON, FR. 54677 MEUDON, FR. 11129 SAN FERNANOO'BN. SP. 54678 MEUDON, FR. 54679 MEUDON, FR. 54680 MEUDON, FR.		2 +0 03.37 3 54 40.0 3 56 40.0 4 29 15.00 4 30 45.25 4 31 08.25 4 32 08.70 4 31 1.550 4 32 01.60 4 35 11.50 4 37 11.50 4 38 10.70 4 38 10.70 4 38 10.70 4 39 01.60 4 30 01.60 5 01.60 6 01.60 6 01.60 7	. 3 34 36		225 06 225 06 215 45 205 54 190 10 241 43 103 14 170 34 174 14	30 Uz 31 .3 37 96 41 14 30 Ub 34 Up 34 Up 35 Ub 36 Ub 37 Up 47	634309 641043 641043 637109 637109 637109 637109 637109 637109 637109 637109 637109
54687 MEUOON, FR. 54688 MEUOON, FR. 54688 MEUOON, FR. 35301 CINCINNATI, OHIO 11160 JUPITER ON, FLA. 35302 CINCINNATI, OHIO 35293 ROANOKE, VA. 11161 JUPITER ON, FLA. 35309 MILHAUKEL, HISC. 35310 MILHAUKEL, HISC. 11162 JUPITER ON, FLA. 35511 DENVER, OUC. 35303 CINCINNATI, OHIO 35314 BILOXI, HISS. 35311 NEW ORLEANS, LA.	2715 11 12 2715 11 12 2715 11 12 0050 11 12 9010 11 13 9010 11 13 9010 11 13 9010 11 13 9010 12 13 8582 13 13 0050 11 12 0090 11 12	44. 00.60 44. 10.10 526. 32.8 51.44.3.31	0 19	47 1) 10 4.	100 35 103 35 10. 14 70 30 05 40 	15 U6 11 26 24 7 14 UJ 5	627.09 637139 637139 645302 434013 645304 434013 641304 434013 641303 641303 641303 641303 641303 641303 641303
35315 AL ORLEARS, CA. 35316 ALCANTON, OHIO 11163 JUPITER'BN, FLA. 35306 N.CANTON, OHIO 35525 BAGUIO CITY, PH.IS. 35317 OENVER, LOLO. 35313 OENVER, LOLO. 11136 NAINI TALTEN, INDIA 11143 SHIRAZ'SN, IRAN 35571 KAGOSHIMA, JAPAN 35573 KAGOSHIMA, JAPAN 35574 YATSUSHIRO, JAPAN 35574 YATSUSHIRO, JAPAN 35575 KAGOSHIMA, JAPAN	8595 1 9010 11 12 8591 11	10 % 19 h 1 1 5 + 30 % 1	0 . 4 . 8 43 . 8. 43 5 43 48 10 43 48	3. 24 15 14 30 0 02 48	219 27 43 214 43 46 234 19 20 208 34 203 30 234 46 1.	); • ) . •	6 4304 43404 64300 643303 643303 643303 643303 64300 6430
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11165 JUPITER'BN. FLA.		11 15	11ML 10 05 39.65	R. A. 9 48 18	UECL. 53 43	AZ IMU1H	ALTITUDE RANG	434013
35576 KANAYA MACHI: JAPAN 35577 YATSUSHIRO: JAPAN 35578 KAGOSHIMA: JAPAN	0220 0272 0218	11 13 11 13 11 13	11 20 22 11 21 20 11 21 26	21 47	-16 54 - 5 00	193 00	44 48	845002 845302 845002
35585 MIYAZAKI + JAPAN 35333 CHINA LAKE + CAL +	0230 8588	11 13	11 21 36.2 11 56 34.3	22 55 00	- 4 30	218 10 48	74 56 24	845002 845303
35334 OENVER+ COLO. 11128 ORGAN PASSIBN, N.M.	8582 9001	11 13	12 01 54.6	7 51 06	- 2 32	193 00	34 30	434013
35335 DENVER. COLO. 11167 MAULIBN. HAWALL	8582 9012	11 13 11 13	12 03 30.7 15 59 07.03	6 48 48	14 39	162 16	28 24	845303 434013
55306 SPETSAL. GR. 55307 SPETSAL. GR.	8078 8078	11 13 11 15	17 08 43.5			351 08 24 331 11 24	9 34 12	834309 834309
55308 SPETSAL+ GR- 11171 TOKYO*BN- JAPAN	8078 9005	11 13	17 14 34.0 17 46 31.10	7 76 18	41 38	308 42 36		834307 434013
35579 MITAKA: JAPAN 35580 MITAKA: JAPAN	0229	11 13	17 48 12.7 17 50 00.8	. 10 10	4. 30	96 12 107 44	65 06 50 48	845303 845 <b>3</b> 03
35583 YATSUSHIRO. JAPAN	0272	11 13	17 51 13	10.05	1.0	90 00	27 05	845302 845004
35582 KASHIWABARA: JAPAN 35581 MITAKA: JAPAN	0222	11 13	17 51 28 17 51 39.0	10 05	10	112 00	34 36	045303
11168 SAN FERNANDURUNG SP. 35586 MITAKA: JAPAN	0229	11 13 11 13	19 12 27.60	1 30 30	-11 08	261 12	38 14	494019 845309
35591 KAGUSHIMA+ JAPAN 11172 TOKYO'EN+ JAPAN	J218 9005	11 13 11 13	19 45 47	5 47 ±6	2 <b>→</b> 00 7 ±7			84500Z
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35588 MITAKA: JAPAN 35589 YOKKAICHI: JAPAN	0229 0258	11 13 11 13	19 52 31.6 19 57 23	y	- 31	209 42	91 1.	845303 845304
11233 SHIRAZ ON: IRAN	9008	11 13	. 3 43 35.13	7 .5 .8	29 19			434013
11182 JUPITER'UN, FLA. 35324 PUEBLA, MEX.	9010	11 14 11 14	1 01 26.6	13 48 10	-18 15			494023 8 <b>45</b> 049
11183 JUPITER DN. FLA. 35328 TERRE HAUTE: IND.	9010	11 14	. 33 36.19 : 33 16.8	01 06	- 9 07	17.	1, 15	434013 040303
35336 N.CANTUN. 0H10 56121 MAGISON-P. WISC.	8536 5078	11 14	1 03 42.3	22 50 45	-29 1L 20 30			641042
35337 N.CANTUN, OHIO 11184 JUPITER'EN. FLA.	8536 9010	11 1-	. 05 42	23 56 .3 51 36	9 48			641042
54711 EL GULEA: ALG. 54712 EL GULEA: ALG.	6411	11 14	1 46 30 0	. , , , , ,		66 12 71 18	.7 00	845309
55888 POTSOAM	2729	11 14	1 37 6	7 47 45	0 65			845309
54713 EL GULLA, ALG. 54779 BESANÇON, FR.	2727	11 14	1 36 00.0			75 .4	20 .4	04030y 700400
55889 POTSDAM 54714 EL GULLA, ALG.	2729	11 14	1 30 20.0	C U7 4.	- 111	78 42	17 06	894048 84048
54780 BESANCON, FF. 55309 SPETSAL, GR.	2727 8378	11 14	1 39 05.86			.18 35 301 42 1.		70c+60 70c+68
54715 EL GULEA, ALG. 54781 BESANCON, FR.	6411 2727	11 14	1 40 00.0			81 36 117 -8	1 <b>= 2</b> 0 20 10	845309 834309
54716 EL GULEA: ALG. 54782 BESANCON: FR.	6411 2727	11 14	1 00.6			1.7 21	.0 48	040309 756460
54717 EL GULLA, ALJ. 54783 BESANÇON, FM.	6411 2727	11 .4	. 42 30.0			86 .4	8 06 .4 11	045309
54718 EL GULLA: ALG. 55310 SPETSAL: UP.	6411 8078	11 14	1 43 07.4			88 30	> 15	045309 70c4c0
54784 BESANCON: FH. 54785 BESANCON: FR.	2727	1, 14	43 44.50			110 49	7 24	8343U7
55311 SPETSAL GR. 11234 SHIRAZ'BN. IRAN	8078	11 14	1 +5 07.4	6 54 48	1 .6	303 24 46		034309
35325 PUEBLA: MEX.	2400 2400	11 14	3 -1 44.6	20 39 36	21 40			434013 845043
35338 SAN JOSE, CAL. 35339 FORT BORTH, 'Ex.	8573 013		3 02 06	0 41 18 1 36 48	- 0 06			84500.
11169 SAN FERNANDO'BN. SP. 54786 BESANCON, FR.	. 727	11 .4	35 00.70	6 54 00	15 06	.73 31	28 .6	#34013 83#309
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11199 MAU1'8N. HARA11 54793 BESANCON. FR.	901Z 2727		4 53 36.19 5 35 30.47	22 47 12	-33 .0	252 13	12 57	434063
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54796 BESANCON. FR. 54797 BESANCON. FR.	2727	11 14	5 3d .1.14 5 39 10.56			238 07 232 31	13 30 13 07	834309 834309
11170 SAN FERNANDUISN. SP 58798 BESANCON, FR.		11 14	5 39 46 30 5 40 18 07	6 -1 54	- 4 27		12 25	434013
54799 BESANCON. FR.	2727	11 14	5 -1 00.02			223 45	` . i >0	834307
54800 BESANCON: FR. 54801 BESANCON: FR.	2727	11 14	5 42 06.90 5 43 09.76			218 25 213 35	9 10	834309 834309
54802 BESANCON, FR. 54803 BESANCON, FR.	2727 2727	11 14	5 44 02 32 5 45 35 17		•	209 48 203 37	7 52 5 20	834309 834309
11200 MAU1'BN: HAWAII 35592 KANAYA MACHI. JAPAN		11 14	6 58 57.59 8 55 13.6	1 58	- 8 44			845002
35294 POANOKE. VA. 11186 JUPITER'SN. FLA.	9072	11 14	9 33 20 9 39 22.09		- 9 49			845042 434013
11151 CURACAO'BN. N.W.I. 35450 QUEZON CITY. PH.IS.	9009		9 41 43.18 10 42 43	y 40 06			20	4-34313 845302
35451 QUEZON CITY PH.15. 35452 QUEZON CITY PH.15.			10 44 25			216 213	30 30 50	845302 845302
36470 HSINGCHU CITY TATWA 35593 KANAYA MACHI . JAPAN	N 0505	11 14	10 51 50.4	0 36 06 22 50	2 54 - 7 30			845042 845002
35596 HIGASHIMATSUYAMA.JA 35594 MIYAZAKI. JAPAN	P 0210		10 54 46.9	22 39 36 0 15 00	- 5 24	•		845002 845002
35595 KAGOSMIMA • JAPAN		11 14	10 54 58	23 57	- 0 36			8 45002

35340 SACRAMENTO. CAL.	51A NO 8517	11 14	TIME 11 26 28.2	R. A.	DECL.	180 00	77 29	RANGE INDEX 641304
35341 DENVER. COLO. 35462 WALNUT CREEK. CAL.	8535	11 14	11 28 17.5 11 28 18.8	7 58 50	16 14	238 45 00	46 18	845303 845004
35326 PUEBLA: MEX. 35529 PASAY CITY: PH.IS.	0501	11 14	11 37 18.0	8 . 3 48	12 14	160	68	845043 845302
36471 HSINGCHU CITY+TAIAAN 36472 HSINGCHU CITY+TAIAAN		11 14	12 00 14.7	20 24	23 48			845042 845042
11201 MAUL'BA. MARAIL 11179 NAINI TAL'BN. 1501A		11 14	13 28 00.49	10 16 24	41 35 - 6 41			434013 434013
112 2 MAU1'8N. HAMA11 55312 SPETSAL. GR.	9012	11 14	15 30 51.62	7 07 54	15 39	337 21 36	11 48 00	434013 834309
55313 SPETSAL. JR.	8078	11 14	16 4. 59.7	11 17 64		314 26 24	17 52 12	834309 434013
1119: SHIRAZ'BN. IHAN SSSIN SPETSAI. OF.	8078	11 14	16 48 04.2	21 22 54	5 23	289 45 36	10 13 40	834309
AAGAA AAMIHAGGAA SVECE DEGA KAGHIHABAA DAGAA	0232	11 14	17 21 20.5	10 10	7			845002 845002
11176 SAN FERNANDETUN: SP. 35665 (ASHIABBARA) JAPAN		1, 1-	18 44 38 40	0 53 4	-19 56 -20			434013 845002
11177 TOLYD'SA. JAPAN 355.5 • ANAYA MACHI. JAPAN	0.05	1: 14	19 19 . 8	• 11 00 5 15	21 58 21 30			434013 845002
350 7 MITARA JAPAN 356 C MITARA JAPAN	0229	11 1-	19 19 11.7			254 24 235 48	45 24	845303 845303
155 ] MITA-A. JAPAN	555A	11 1-	11 2 2 1 2	-	2.2	221 54	48 42	845303
150 1 MITA+A. JAPAN 350 1 EGUCSHIMA. JAPAN 350 4 FUFFALHI - JAPAN 350 4 FUFFALHI - JAPAN	0.50	11 14	19 22 40	6 2. 7 .5 7 5. 00	د -			845002 845002
155 . MITAKA. JAPAN	0 4	1	1 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	7 5. 00	50	.05 48	46 12	84>002 84>303
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15641 MASOIC II. PH.IJ.	3536	11 14	.1 33>			162 34 48 155 48	20 28 12	645302 845302
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55 11 FATAY 117 64.1 .	0500	11 15 11 15	10 20 64.5			116 154 48	69 71	845302 845302
35475 TAIPEL: "ALAA" "5458 DJEZUN ITY: PH:IS:	3%( 4 3%( 6	11 15	10 20 31.8	22 57 30	-25 54	62 00	48	845042 845302
156 8 YATSUSHI APAG 356 9 * AGOSHIMA • JAFAG	0.72	11 .5	10 23 14	22 42 30	-19 30	180 00	36 18	845302 845004
35615 * JARD * JAPAN 35966 TAIPEL * TAIRAN	2224	11 15	10 24 30.7	22 51 00	-16 54 18 18			845002 845042
35611 MITARA+ JAPAN	0129	11 15	10 .5 60.7			201 03	37 30	845303
356.2 MITALA JAPAN	6.64	11 15	10 26 32.50 10 26 <b>5</b> 7.0	22 53 36	- > 11	184 00	52 42	434013 845303
45524 FATAY CATY, PH.1 . REGIO HAGAINIMIT LUYAMA.JA	0.10	11 15	10 27 49.5 10 28 04.3	23 58	6 36	48	29	845302 845002
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15613 MITAKA - JAPAN 156 MUSASHING - JEFAN	0229	11 15	10 28 12.7 10 37 16.1			158 30 180	61 24 54 30	845303 845302
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35350 PUEBLA: MEX. 35351 PUEBLA: MEX.	3700 11 15	11 06 46.7 11 12 12.5	R • A • 7 42 12 10 08 36	DECL. 24 38 -15 31	AZ 1MUTH	ALTITUDE	84504 84504
35644 BAGUIO CITTE PH.15. 35645 BAGUIO CITTE PH.15.	0504 11 15	12 19 10.6	10 00 30	-13 71	272 19 48 307 37 12	14 48	84530
35618 KANAYA MACHI. JAPAN	0220 11 15	12 23 59.2	20 10	- 1 00			84500
35646 BAGUIO CITY+ PH.15+ 35617 YOKKAICHI+ JAPAN	0504 11 15 0258 11 15	12 25 41.9 12 25 43	20 .4	5	331 03 00	30 34 12	84500
35619 MIYAZAKI. JAPAN 35467 TAIPEL. TAIMAN	0230 11 15	12 25 45.6	20 30 00 19 52 42	13 18			84500 84504
35463 WALNUT CREEK . CAL.	8535 :1 15	13 07 25.6	6 27 15	- 9 10			84500
11206 NAINI TALTON - INDIA 11238 SHIRAZION - IRAN	9006 11 15 9008 11 15	14 23 27.33	0 17 36	31 38 32 21			43401 43401
35620 MITAKA: JAPAN 35621 MITAKA: JAPAN	0229 11 15	10 53 31.0		,	99 54	36 24	84530
35622 MITAKA, JAPAN	0229 11 15 0229 11 15	16 54 40.7			103 06 108 12.	30 18 17 54	84530 84530
35026 RUNEU+ JAPAN 35023 MITAKA+ JAPAN	0224 11 15	18 53 30.4 18 53 41	7 .7 18	6 48	210 06	53 24	84500 84530
35624 MITAKA+ JAPAN	J219 15	18 5- 57.0			194 00	49 12	84530
11235 TORYUPBN. JAPAN 35625 MITAKA, JAPAN	9005 11 15	18 56 04.80	7 39 42	- 9 58	181 30	43 12	43401 84530
55315 SPETSAL, GR. 11207 SAN FERNAN, COM. UP.	8078 1, 15	20 15 34.0	3 10 1		81 16 48		83430
55316 SPETSAL OF.	8078 11 15	20 15 40.90	2. 50 54	- 0 06	62 21 36	11 38 24	43401 83430
5531" SPETSAL, OR. 35647 BAGGIO LITY: Polis.	2078 11 15	20 16 47.0			83 37 48 305 23 24	37 34 48	83430 84530
35627 YORKALLHI - JAPAN	0.58 15	LU 03 58	5 24	- 5			84500
35459 QUEZUN . 1Tr. PH. 13.	1004 11 10	. 57 31 . 58 17.8			279 30	71 70 66 67	84530 84530
35450 QUEZON .Tr. PH.15.	5295 11 12	LU 39 10			216 00	7.7	84550
35537 PASAY . 111. +1 . 35538 PASAY . 111. +1	09215 0932 .1 15	21 00 28			176	70 54 30	8 4 > 3 C
35461 UUEZUN 1714 PH.114 35549 BAGGIO .774 PH.154	3500 1: 15	11 18 45			148 30	3 19 48	84530 84530
55093 FOR" DE 1 HAN E. MAR!	6-35 11 15	10 00.0			75 .4	44 24	84530
55094 FORT DE FRANCE, MART 55095 FORT EL FRANCE, MART		.2 11 00.3			71 12 51 00	37 36 13 12 ·	84530 84530
1121: JUP!!E-!:A.	90.0 11.6		.0 40 30	m 3.5		•	4340
35375 ST.PETEH.BURG. FLA.	01 1: .6	33 45	22 40	-34 40			04204
11209 CURACALIEM, N.H.I. 35356 ST.PETER MURG. FLA.	109 11.6	0 00 .6.65 2 05 40	17 24 06	-20 10		·	434U)
112.2 JUP1"E4"84. FLA. 35473 PUEBLÁ, MEX.		0 46 35.81	-4 30 36	-1- 36			43401
11213 UUPITEHINA FLA.	90106	J .J 56.39	3 50 00	16 18 25 46			8450 4340]
11213 UUPITEHTAN, FLA. 11214 SHIFAZITAN IMAN 35378 ALBUUN HUUEN N.M.	9008 .1 .6	0 47 50	0 43 48	8 57	180 00	3i <b>4</b> 2	43401
35362 SAN JC C. CAL.	8.75 1	L 35 07.3	U 41 28	-19 58			8 4 5 0 C
35361 CHINA CARER CAL. 35686 SAN ANCENIOR TEA.	3 8905	. 06 01.0	. 2 . 0	6 -8	130 -0 14	25 45 35	04130
35363 SAN ANTUNIO. TI 35411 PUEZLA, MEX.	1396 1. 16	2 26 57.5	44 .3 .0	9 18			84504
35345 SACRAMINTO. AL.	3517 1: .6	. 07 06	3 .3 48	-11 01			8450- 6-101
35687 'AN AM1 NIC+ TEX. 35372 FOR* # 974. *EX.	01396	2 2 8	440	3 48			8 - 5 00
3535- SAN ANTINION TEX.	0076 16	. 27 5	5	17 43			84503 84504
35368 ED1M80Pa+ TEX+ 35369 ED1M86F=+ Tex+	3066 : . 6	4 (1			332 5 30	8 × 30	8453( 845)(
35 *** BILOSI, W		. 39 .7			270	00 00	8423
3536_ CH144 _AFE+ _A_+ 35371 DENVEH+ _ULL+	559. 1				10 11 36		64130
35357 ST.FE": FUE NO. FUA. 54832 MEUDUM. FR.	0141 11 16	50	LU 4,	34 30	157 05	29 19	84004
54833 MEUDUN FR.	.715 11 .6	. 43 .0.70			153	25 11	63710
54834 MEUDON, FM. 54733 ALGER, ALG.	5-13 15	. 44 .4.0			150 39	21 04 39 24	63710 84530
54835 MELOUN. FH. 54934 ALGER. ALG.	54136	. 45 17.30			148 02	17 07	63710
54835 MENCUM. F4.	.715	. 46 03.00			130 12 146 31	34 18 14 31	84530
54735 ALGERA ALG. 54837 MEUCONA FR.	6413 .5	. ~7 00.0 - ~7 07.50			144 37	29 42 11 04	6371
54436 ALGER. ALS.	5-13 :0	. 48 OG . S			124 24	4 4	8453
54838 MENOUM, FR. 54937 ALGER. ALG.	.715 16 5413 11 ;6	. 40 £1.70			142 42 119 18	7 14	6371 8453
54937 ALGER. ALG. 54839 MELDON. FR.	. 715 16	. 47 04 . 70			141 48	5 11	6371
54939 ALGER. ALG.	6413 11 .6 6413 11 16	4 50 00.0			129 06 129 06	16 18 12 36	8453 8453
54940 ALGER. ALG.	6413 11 16 6413 11 16	2 52 00.0			129 06	9 12	8453
54941 ALGER. ALG. 54942 ALGER. ALG.	5413 11 16 5413 11 16 8517 11 16	2 54 00.0			129 06 129 06	6 12 3 18	8453
35356 SACRAMENTO, CAL. 54840 MEDDUN, FR.				6 .4	176 17	11 17	6410
54841 MEUDUN: FH.	.715 11 16 .715 16	4 46 33.00			194 23	11 37 10 37 9 30	6371
54842 MEUDUN: FR. 11210 CUPACAU'EN: 1	7009 11 16	8 44 29.22		14 42	192 24	9 30	6371 4340
35677 QUEZUN		9 49 44	20 00		167	5.3	8423
35678 QUEZON (1TY: PM:15: 35679 QUEZON (TTY: PM:15:					100 79	57 48 30	8453
35629 YATSUSHIRO, JAPAN 35629 YATSUSHIRO, JAPAN 35630 MIZUSAWA, JAPAN	0.72 1, 40	9 53 29			180 00	48 30 28 18 15 00	8453
			22 54	-16 54	203 54	1> 00	8453 8450
35634 MIYAZA+1+ JAPAN 35632 YOKKAICHI+ JAPAN	0230 1.16	10 01 04.8	2 41 18	21 48			8450
35631 KONKO: JAPAN	0224 11 16	10 01 08	1 54 2 20 30				8450 8450
35633 KACHIWARARA IAPAN	0222 11 16	10 01 20					
35633 KASHIWABARA. JAPAN 35359 ALBUQUER.UE. N.M.	8579 11 14	10 33 25.7	2 10	20	180 00	66 42	8450

OBS NO STATION	SIA NO DAIL	TIME	H. A.	DECL.	AZEMUIN	ALIIIUUL KANG	JE INDEK
35472 PUEBLA: MEA. 35473 PUEBLA: MEX.	0900 11 16 0900 11 16	10 30 56.1	7 40 48	35 06			842043
35474 PUEBLA. MEX.	.900 11 16	10 41 11.0	9 33 42	1 40			845043
35650 BAGUIO CITY: PH.1 . 35680 QUEZON CITY: PH.1 .	0504 11 16 0500 <b>1</b> 1 16	11 50 35.8 1 <b>1</b> 52 03			270 25 48 286	18 14 24	845302
35475 TAIPEL TAINAN	00. 11 16	11 52 37.7	20 33	26 36			845042
35681 QUEZON C11Y+ PH+15e 35651 BAGU10 CTIY+ PH+15+	0000 11 16	11 54 5.			302 320 33 36	28 30 34 29 48	845302
35635 YORKALCHI. JAPAN	0250 11 16	11 56 04	20 08	- 1	110		845004
35682 QUEZON CITY+ PH-I + 35638 MIZUSAWA+ JAPAN	J26/ 11 16	11 56 16.5			330 254 00	31 14 54	845302 84530 <b>2</b>
35636 KASHIWABARA: JAPA: 35476 TAIPEL: TAIWAN	0.2. 11 15	11 50 33	20 42	15 53 44			845002 845042
35652 BAGUIO CITY: PH:1	0104 11 16	11 58 43.7			354 24 36	29 16 40	045302
35637 KANAYA MACHI. JAFAN 35357 SACRAMENTO. CAL.	5773 11 16 8517 11 16	11 59 12.6 12 32 36.6	5 58 54	- 4 15			845002 641013
1.216 NAIN1 TAL BN. INCIA	9336 11 16	13 54 19.98	0 08 06	25 45			434013
11223 SHIRAZ 'BN+ 1RAN 54843 MEUOON+ FR.	- 700 11 16 - 715 11 16	17 46 03,40	0 49 18	35 39	153 13	5 48	434013 637109
54844 MEUDON. FH.	./15 11 16	17 -7 13.60		-29 66	146 36	7 >8	637109
55892 POTSOAM 54845 MEUOUN: FR.	. 729 1. 16 . 715 11 16	.7 47 14.6	23 11 54	-29 44	141 52	9 14	637104
54846 MEUDON. FR. 55891 POTSOAM	2715 11 16 2729 11 16	17 49 23.00	0 03 .4	-22 01	. 25 23	10 33	63/109
54847 MEUOON. FR.	.710 11 .6	17 50 12.90	0 03 24	-22 0.	127 32	11 36	637109
54848 MEUOON+ FR. 55892 POTSDAM	2715 11 16	17 51 04.30	0 01 48	-14 26	121 49	11 >8	637109
54849 MEUDON. FR.	2715 11 16	.y +6 27.00	0 71 40	14 20	202 00	15 58	637109
55893 PCTSUAM 54850 MEUDON+ FR.	. 129 1. 16	19 40 56.J	.1 40 06	-10 47	0 00	10 10	834049 637109
5-051 MELOUN, FR.	2715 14 16	.4 48 00.00	. =		195 53	2. 20	. 637109
1.215 SAN FERNAND TUNE DE			0 .1 .4	-16 05 12 08			434049 434013
54852 MEUDUN, FR. 55855 POTSUAM	1.5 11 16			-i> 0+	188 21	.9 01	6371UY 440460
30035 PASAY CITY. PH.IS.	U001E	. 0 . 5 . 0 6	** >* >0	~13 04	3.6	. 0	834049
35536 PASAY CITTO PHOL	00016 0.50 1. 16	5 4.	6		33.	2.7	845302 845002
35553 BAGUIO LITT. PH.15.	July 16	3. 47.0			159 05 24		0 +>3uc
35674 BAGUIO CITY PH.IS.	000 - 10	. J 34 _4.8			146 57 36		845302 845302
11219 MAINE TALIBNE INCH.	4000b	6.71	7 17 16	5 11			و ړ ن د و د
11218 NAINI TALIBNA INDIA 11217 NAINI TALIBNA INDIA	43 6 16		0 36 48	- 6			434UL3
35477 COLUMBUS. OHIO		35 17.7	T. 3C	-:).5	,54 3U	, 7 · 6	وں د د چە د <sub>خ</sub> ل چوچ
11.28 JUPITER ST. FLA.		. 1 31 44					434613
11219 CUPITERTURA FLA. 35492 CINCINNATIA OHIO	3050 11 10	. 4 40 14.47	U 48 US	0 54	131 30	21 54	434013 845304
354 18 COLUMBUS. 04:0	.05. 1€	. 1 -15			130 45 00		045303
35479 N.CANTON. OHIO	20655	21 41 35.4	. 54 54	-10			645013
16000 STATE OLLFUL. PA.	86_1 11 1e	47 6 . 5	- 0 -1 30	-10 54			845042
35480 N.CANTON: CHIC 35481 N.CANTON: UNIC	31.1.0		1 .0 40	5 .			041014
11220 MAINE TALTON, INDIA	+J_6 1. 17		5 0. 30	- 2 43			4340.3
.12/1 54/51 TAL 1854 1501A	1326 11 17	2 .3	5 35 6				د يا <b>نه</b> و چ
1.2/2 MAINI TAL'EM. INDIA 35688 CHIMA CAFE. LAL.	-376 1: .7	3 .9 55.5.	7 14 74	-36 07	1/9 43 48		و <sub>م</sub> ن <b>به و به</b> د ۱۵ د خه ۱۵
354#4 SACRAM-4"J. CAL.	85.7 .1 17	: 37?	0 48 36	-18 06			641013
15375 TERRE HAUTE IND. 35485 PUEBLA: MEL.	67 17	1 39 -1.0	0 06 30	58 54	-15 45	.7 20	C ← C ← C C ← C ← C
35173 TEPPE HAUTE - ING.	81.7 11.7	. 40 30.9			2.0	* 1 * 1	842304
35374 TERRE MAUTE: IND. 35487 HOCHESTER: N.T.	4764	. 40 34.0	45 30		2.0		845014
35482 N.CANTON, JHIC 56,22 MADISON-F. #150.	5165 1.17	. 41 5	.1 59 44				845013 637007
35-88 DENVER. DEU.	809. 1 "	1 4. 54.4		0 ) !	105 45 00		8-5303
35489 CINCINNALL OHIO 55896 POTSDAM 55897 POTSDAM	0650 11 17 .729 11 17	2 14 57.5	7 . 3 48	-16 44	200 06	64 46	84049
55897 POTSOAM 55898 POTSOAM	. 729 11 17	2 17 15.6	6 UP 1.	-22 33			834049
55898 POTSOAM 35491 TUCSON: APIZ:	2729 11 17	3 34 31.5	8 .7 12	- 26 . 2	246 42	22 54	834349
35484 SACPAMENTO, CAL. 35492 SAN JOSE, CAL.	8517 11 17		0 10 12	15 00	180 90	5.3 23	641304
35589 CHINA LAFE. CAL.	8588 11 17	3 40 47.0	0 10 12	15 00	133 38 2	01 47 .4	8 4 5 3 0 3
54741 EL GULLA: ALG. 54742 EL GULLA: ALG.	641. 11.7 641. 11.17				254 OU 243 OU	44 15 45 44	845307 845307
54743 EL GULLA. ALG.	6-11 11 17 6-11 11 17	4 16 00 0			230 24	<b>4</b> 7 00	0 4 D 3 U 7
54744 EL GULLA: ALG. 54745 EL GULLA: ALG.	5-11 11 17 6-11 11 17	- 17 CC.3			207 18	47 12	84530Y
54746 EL GULEA. ALG.	6411 11 .7	4 19 00.0			196 54	40 10	845309 845309
54743 EL SULLA. ALG. 54744 EL GULLA. ALG. 54745 EL GULLA. ALG. 54745 EL GULEA. ALG. 54747 EL GULEA. ALG. 54748 EL GULEA. ALG. 54748 EL GULEA. ALG.	6411 11 17 6411 11 17 6411 11 17	4 20 00.0 4 21 00.0			181 18	Οί Βέ <b>Ο</b> ε <b>ν</b> ε	845309
54749 EL GULEA. ALG. 54750 EL GULEA. ALG.	6411 11 17 6411 11 17	4 22 00.0			175 24 171 JO	30 06 26 06	845309
11249 MAU1 BN. HARALI	9014 11 17	5 33 27.2			l	20 00	4 5 4 0 1 5
11231 JUPITER'BN. FLA. 11232 JUPITER'BN. FLA.	9012 11 17 9010 11 17 9010 11 17	8 10 59 <b>1</b> 8					434013 434013
11224 CURACAO'EN. N.H.I.	A00A 1' 11	8 12 00.3	8 47 12	41 4	8		434013
11225 CURACAO UN N.W.1. 11226 CURACAC UN N.W.1.	9009 1. 17						434013 434013
56123 MA0150N-P+ #15C+	5078 11 17	10 06 36.0	6 13 00	115	5		637307
35493 PUEBLA: MEX.	0 100 11 1	10 10 19.8	8 06 00	17.5	4		845043

OBS NO STATION 3549- PUEBLA. MEX. 35495 PUEBLA. MEX.	STA NO DATE 0900 11 17	10 11 03 3	R. A. 9 11 48	1 2 2 .	AZ1MUTH	ALTERUE RANGE	845043
35495 PUEBLA: MEX. 35656 BAGUIO CITY: PM:IS: 35657 BAGUIO CITY: PM:IS: 35683 QUEZON CITY: PH:IS:	0504 11 17 0504 11 <b>1</b> 7	10 12 4 <b>2.</b> 9 11 24 05.7 11 27 26.3 11 28 44	9 47 48		114 41 24	32 5 <b>2</b> 12 38 00	845302 845302 845302
	0500 11 17 0500 11 17	11 29 30 11 30 <b>3</b> 7 11 30 42			354 1 7 17 12	30 30 30 55 26 43 14	845302 845302
11235 ORGAN PASSIBN, N.M. 11236 ORGAN PASSIBN. N.M. 11237 ORGAN PASSIBN. N.M.	90 <b>3</b> 1 11 17 900 <b>1</b> 11 17	12 05 42.50 12 08 57.64 12 11 27.98	5 05 30 6 12 00 7 03 18		,		434013 434013 434023
35486 PUEBLA: MEX. 11240 NAINI TAL'BN: INDIA 11241 NAINI TAL'BN: INDIA	0900 11 17 9006 11 17	12 13 27.9 13 26 25.78	6 45 48	-16 16 26 12			845043 434013 434013
11242 NAINI TAL'BN: INDIA 35948 KAGOSHIMA: JAPAN 54834 BESANCON: FR.	0.004 11 17	13 28 41.00 17 58 21	2 48 36	34 44	207 01	15 18	434013
54835 BESANCON, FR. 54836 BESANCON, FR. 54837 BESANCON, FR.	2727 11 17 2727 11 17 2727 11 17	19 18 45.66 19 19 13.76 19 20 22.01		•	201 47 199 23 192 25	15 18 21 32 24 02 30 12 34 46 39 16	834309 834309 834309
11242 NAINT FALTON INCHA 35948 KAGOSHIMA JAPAN 54804 BESANCON FR. 54805 BESANCON FR. 54807 BESANCON FR. 54808 BESANCON FR. 54808 BESANCON FR. 54809 BESANCON FR. 35949 RAGOSHIMA JAPAN	2727 11 17 2727 11 17 0218 11 17	19 56 52		- 3 48	185 53 177 23		
11244 NAINI TAL'BN. INDIA 11245 NAINI TAL'BN. INDIA	9006 11 17 9006 11 17 9006 11 17	21 52 50.73 21 54 40.07	7 -1 06 7 47 42 8 32 00	10 56			434013 434013 434013
11814 CURAÇAD-BN. N.#.1. 11815 CURAÇAD-BN. N.#.1. 35496 FT.BELVOIR. VA.	9009 11 17 9009 11 17 0077 11 17	23 02 54.92 23 09 210 23 10 06.3		45 12	161 00	21 12	434013 434013 845302
11815 CURACAD-3N, N.#.1. 11815 CURACAD-3N, N.#.1. 35496 FT.BELVOIR, VA. 35497 N.CANTON. OHIO 35498 N.CANTON. OHIO 11816 CURACAD-ON. N.#.1. 11246 NAINI TAL'8N, INDIA	8536 11 17 8536 11 17 8544 11 17	23 10 44.8 23 12 53 23 13 13.6 23 15 35.34	23 50 0 38 40 0 54 45 3 25 24	-25 03 -13 36 -11 <b>5</b> 2			641042 641012 845032 434013
11246 NAINI TAL'BN. INDIA 11253 SHIRAZ'BN. IRAN 11247 NAINI TAL'BN. INDIA	7000 11 11	23 54 13.95 23 55 38.54 23 58 24.33		- 9 37 -19 40			434013 434013 434023
11248 NAINI TAL'EN: INDIA	9006 11 17	1 06 20.1	7 33 00				434023 845043
355%0 PUEBLA, MEX. 35691 PUEBLA, MEX. 35692 PUEBLA, MEX. 11313 JUPITER'SA. FLA. 35502 ST.PFTERSBURG, FLA. 11314 JUPITER'SA. FLA. 35502 DAYTON. OHIO 35505 DAYTON. OHIO	0900 11 18 0700 11 18 9010 11 18	1 06 34.8 1 06 55.0 1 08 54.96	20 38 42 20 51 30 19 20 00	12 37 16 53 3 46			845043 845043 434013
35502 ST.PFTERSBURG, FLA. 11314 JUPITER'SN. FLA. 35504 DAYTON. ONIO	0121 11 18 9010 11 18 8557 11 18	1 09 31 1 10 43.35 1 11 23.9	19 50 20 11 12		211 27		845002 434013 845303
11238 UNIAN PASSIBLE NAME	0111 11 18	1 12 04.6 1 12 34.70 1 12 36	2. 14	14 .4 39 20		42 00	845303 434013 845002
35507 TERRE HAUTE, ING. 11315 JUPITER'BN, FLA. 35500 N.CANTON, OHIO 35508 STATE COLLEGE, PA. 35519 STATE COLLEGE, PA.	9010 11 18 8584 11 18	1 13 27.1 1 13 45.08 1 14 31.5 1 14 48.6		61 1 <del>4</del> 13 38		5 3 3 0	845303 434013 845033 845303
35519 STATE COLLEGE, PA. 35519 STATE COLLEGE, PA. 11239 OPGAN LASSIBN, N.M. 35513 POCHESTER, N.Y.	6594 11 .6 9001 11 18	1 14 57.6		22 32		58 54	845303 434013 845014
35501 N.CANTUN, OHIO 35694 CINCINNATI, OHIO 355-5 DAYTON, OHIO	8265 11 18 8255 11 18 8557 11 18	1 15 1011 1 15 11.13 1 15 43.4	23 29 57	13 34		69 44 67 34	845013 845302 845303
54810 BESANCON, FR. 54811 BESANCON, FR. 54812 BESANCON, FR.	2727 11 18 2727 11 18 2727 11 18	1 48 03.67 1 49 40.11 1 50 06.00			141 44 139 05 138 32	17 23 11 52 10 29	834309 834309 834309
54813 BESANCON, FR. 35511 SAN DIEGO, (A., 35693 PUEBLA, MEX.	2727 11 18 0133 11 18 0700 11 18	1 51 20•15 3 06 51•2 3 09 50•2	20 12 30 18 53 30	-14 30 36 46	137 11	5 42	834309 845012 845043
11239 OPGAN TASSTRIN, N.M. 35510 POCHESTER, N.Y. 35501 N.CANTON, OHIO 355% CINCINNATI, OHIO 355% OAYTON, OHIO 5+810 BESANCON, FR. 5+811 BESANCON, FR. 5+813 BESANCON, FR. 35911 SAN DIEGO, FAL 35598 CHINA LANE, CAL. 35598 CHINA LANE, CAL. 35595 SAN DIEGO, CAL. 35513 SAN DIEGO, CAL.	0133 11 18 0133 11 18 0050 11 18	3 09 50.2 3 11 23.3 3 12 53.0 3 13 14 3 13 30.0 3 45 59.10	1 10	-2 54	143 01 1	.2 73 +3 12 20 36	641303 845012 845302
11266 SAN FERNANDO '6A. SP 54853 MEUDON FR. 54854 MEUDON FR.	. 9004 11 18 2715 11 18 2715 11 18	3 45 59 10 3 46 13 20 3 47 23 70	7 16 06	- 6 58	195 00 189 40	18 45 15 58	845012 434013 637109 637109
54855 MEUOUN+ FR. 54856 MEUOUN+ FR. 11267 SAN FERNANDOTAN+ SP	2715 11 18 2715 11 18	3 48 02.90 3 49 07.70 3 49 52.60	8 37 <b>4</b> 2	-23 11	187 00 182 58	14 26 11 47	637109 6371 <b>0</b> 9 434023
54857 MEUDON, FR. 54858 MEUOON, FR. 11268 SAN FERNANOO'BN, SP	2715 il 18 2715 il 18	3 50 17.20 3 51 14.40 3 52 41.60	9 23 42		179 09 175 21	8 56 6 35	637109 637109 434023
11335 MAU1+8N. HAWAII 11336 MAU1+8N. HAWAII 11250 CURACAG+8N. N.W.I.	9012 11 18	5 03 27.95 7 07 42.10 7 43 09.68	19 21 30	57 16	, ,		434013 434013 434013
54735 CAYENNE FP.GUIANA 54735 CAYENNE FR.GUIANA 54737 CAYENNE FR.GUIANA	6406 11 18 6406 11 18	7 47 00.0			141 00 143 00 144 12	29 48 24 00 19 00	845309 845309 845309
11251 CURACAG'BN, N.W.1. 54738 CAYENNE, FR.GUIANA 54739 CAYENNE, FR.GUIANA	6406 11 18 6406 11 18	7 49 00.0 3 50 00.0	10 26 30	9 20	146 00 146 48	11 18 8 00	434013 845309 845309
54740 CAYENNED FROGULANA 11252 CURACAO'BH: Nowell 35950 KONKO: JAPAN 35951 YOKKA&CHI: JAPAN	9009 11 18	7 69 11 61	11 27 30 22 49 00 23 07			4 30	845309 434013 845002 845002
11282 TOKRASCHI, JAPAN 11282 TOKYO'BN, JAPAN 35952 MIZUSAWA, JAPAN 11316 JUPITER'BN, FLA.	9005 11 18 0267 11 18 9010 11 18	9 05 00	23 43 12	- 9 05	104 00	34 12	434013 #45302 434013
11317 JUPITER BN. FLA. 11318 JUPITER BN. FLA.	9010 11 18 9010 11 18	9 40 26.07		3 20	)		434013

11319 JUPITER BN. FLA.	STA NO OATE 9010 11 18	TIME 9 48 45.35		DECL. -38 48	AZIMUTH ALTITUDE RANGE INC	023
11320 JUPTTER ON. FLA. J5559 BAGUIO CITY. PH.IS. 35650 BAGUIO CITY. PH.IS.	9010 11 18 0504 11 18 0504 11 18	9 52 33.75 10 55 36.2 10 56 58.5	10 11 42	-48 56	293 09 36 41 02 24 845 316 57 00 44 35 24 845	302
35661 BAGUIQ CITY, PH.15.  11481 TOKYUTON, JAPAN 35753 KASHINABARA, JAPAN	0504 11 18 9005 11 18 0222 11 18	11 00 41 11 01 47.30 11 02 25	20 36 18 21 27	15 36 60	7 09 36 31 30 845: 4346 845(	013
35934 YORRAICHI: JAPAN 11293 NAINI TAL'BN: INDIA	0258 11 18 9006 11 18	11 04 22 12 54 58.14	22 35 23 36	10 07	845( 434)	062 013
11294 NAINI TAL'BN. INDIA 11295 NAINI TAL'BN. INDIA 11337 MAUI'DN. MARAII	9006 11 18 9012 11 18	12 59 56.40 13 00 43.22 13 36 48.75	2 48 12 3 11 48 8 51 18	30 43 33 04 12 38	434( 434) 434(	013
1.8.1 NAINT TAL'SN. INDIA 11802 NAINT TAL'SN. INDIA 11803 NAINT TAL'SN. INDIA	9006 11 18 9006 11 18 9006 11 18	14 52 12.12 14 58 08.00 14 59 33.96	20 25 54	- 0 54 45 29 59 54	4 3 4 ( 4 3 4) 4 4 4 4	013
11508 MAULINA, HAWALL 35955 KAGESHIMA, JAPAN 11269 SAN FERNAN CIRN, SP.	7013 11 18 0218 11 18	15 42 09.40 17 29 13	7 05 30 9 12	-33 10 2 18	434) 845)	023
11272 SAN FLYNANDLIGHT SP. 11271 SAN FLYNANDLIGHT SP.	-304 11 18	18 52 32.60 18 53 20.60 18 54 47.90	2 08 48	15 26 19 07 23 39	434; 434; 434;	013
35097 20EZUN CITY PH.15. 35098 20EZUN 117. PH.15. 35956 1AGOSHIMA, JAPAN	0500 11 18 0218 11 18	19 28 36 19 30 48 19 30 52	6 51	-16 48	354 67 845 52 78 845 845	102
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11273 NAN PERNANJUTUN, SP. 1.274 SAN PERNANJUTUN, SP. 35002 BAGUIO CITY, PH.15.	/30 - 11 10	20 52 39.50		25 39 36 52	434; 434; 267 14 24 22 43 48 845	610
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11273 SAR FERNANDOPS N. 59. 900. 11 19 18 20 01-30 23 28 12 -11 06  ***PARTICIPATION** **PARTICIPATION** **PARTICIPATION	35718 PUEBLA. MEX. 35719 PUEBLA. MEX. 35720 PUEBLA. MEX. 35967 KANAYA MACHI. JAPAN 35966 YOKKAICHI. JAPAN 11305 SHIRAZ'BN. IRAN 11306 SHIRAZ'BN. IRAN 11309 NAINI TAL'BN. INOIA	STA NO DATE 0258 11 19 90%1 21 19 90%1 11 19 9001 11 19 0900 11 19 0900 11 19 0900 11 19 0220 11 19 0258 11 19 9008 11 19 9008 11 19 9008 11 19 9006 11 19 9006 11 19 9006 11 19	11 18 27.4 11 18 58.5 11 19 37.2 12 34 14.6 12 34 16 14 20 52.16 14 23 58.20 14 30 26.24 14 31 04.75 14 31 43.73 17 G2 O1	8 43 36 7 00 42 7 12 48 7 22 00 19 45 19 58 21 14 48 23 26 36 21 51 36 22 47 12 0 03 12 9 33	55 - 7 25 -24 22 -42 56 -23 46 -26 55 -29 17 23 26 -26 58 -26 58 -26 37 67 55 -7 25 -7 25	AZ IMUTH	ALTITUDE	HANGE 1NDEX 845002 434013 434023 845003 845003 845003 845002 434013 434013 434013 434013 434013 845002 434013 434013 434013 434013 434013 845002 434013
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11279   SAN FERNANDU SAN   SP.   VOOL   11   19   20 24   20.70   22 24 20 0   33 03	54862 MEUDON+ FR. 35970 KAGOSHIMA+ JAPAN	2715 11 19 0218 11 19	18 24 00.40 19 01 29					637109 845002
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35752 CINCLINATI - OHIO	35708 TERPE HAUTE+ IND.	8127 11 20	0 13 14.2			180	35 45	845302
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35752 CINCLINATI - OHIO	35730 N. CANTON: OHIO	8584 11 20 0140 11 20	0 15 47.6	23 00 28	0 42			845033
35752 CINCLINATI - OHIO	35734 0AYTON OHIO 35731 N. CANTON OHIO	8557 11 20 8544 11 20	0 16 42.6	23 44		183 27	53 03	845303
35752 CINCLINATI - OHIO	55066 ROCHESTER+ N.Y. 35736 ROCHESTER+ N.Y.	5050 11 20 8564 11 20	0 18 30.8	0 10 48	11 55			845014
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35977 KAGOSHIMA - JAPAN 35986 HIGASHIMATSUYAMA JAP	0218 11 20 0210 11 20	10 05 25 10 06 <b>49.</b> 2	0 42 30	47 00	0 00	82 14	845002 845303
11806 TOKYO-BN+ JAPAN 35974 KASHIWABARA+ JAPAN	9001 11 20	10 07 28.40	0 09 24	49 16			434013 845002
35976 MIYAZAKI. JAPAN	0230 11 20	10 09 01.8	3 54 00	48 12			845002
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35978 KASHIWADARA: JAPA:	0222 11 20	12 06 24	.7 55	16			845302
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11346 NAINI TAL'BR. INCLA 11347 NAINI TAL'BR. INCLA 11349 SHIRAZ'BN. IFAR. 11350 SHIRAZ'BN. IFAR. 11351 SHIRAZ'BN. IFAR. 135981 KAGOSHIRAZ'BN. IFAR. 55986 EL GULLA. ALC. 54764 EL GULLA. ALC. 54766 EL GULLA. ALC. 54766 EL GULLA. ALC. 54766 EL GULLA. ALC. 54766 EL GULLA. ALC. 54767 EL GULLA. ALC.	9006 11 20 9006 11 20	13 59 070	20 40 14	: د ۱۶ ۱۶ تا تا			434013 434013
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35981 KAGOSHIMA - JAHAN 54763 EL GULLA - ALLL	0215 11 20	.0 35 30.5 .7 45 30.0	1 27 30	-12 36	.09 40	30 00	845JOL 845JOY
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54767 EL GULLA. ALG.	5411 11 20	. 44 33.00			.86 37 178 Ju	7 03 50 48	0 7 1 U 7 7 U E C # 0
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54814 BESANCON. FR.	7:7 11 20	17 20 32.75			144 10 188 13 175 13 177 13 101 14 170 01 177 01 177 01 170 01 170 01 170 01 144 10 144 10 145 140 147 140 147 140	14 55	634309 634309
54869 MELDON. FR.	.715 11 70	. 51 13.le			175 65	1 - 17	637109
54769 EL GULEA: ALG: 54870 MELDUN: FR:	.7.5 11 20	: 5. 04. C			101 .4	.7 10	645309 637109
54016 BE ANCON, Fr. 54770 EL GULEA, ALU.	1.7 1.0	. 7 5. 18. CF			70 -0	21 21	6345U9 ₹UCC⊬0
54871 MELDUN: FR.	17.5 :. 10	. 2 0 20			. 0 . 50		637149
54770 EL GUESA ACO. 54871 MELDON, FR. 54872 MEUDON, FR. 54873 MEUDON, FR. 54873 MELDON, FR. 54873 MELDON, FR. 54874 MEUDON, FR. 54874 MEUDON, FR. 54874 MEUDON, FR. 35747 BERLIN, GER.	11: 1. 20	17 54 01			103 05	13 .2	034304
54818 BESANCUN. FH. 54873 MELDON: FR.		.7 54 .5.77			144 .0	. 4 . 7	114124
54819 BETANCON, FR.	7.7	1 50 1.00			153 .6	3	334339
5-820 BESANCON, FR.	.7.7 11 20	, to the 100			1:7 5	3. 37	997109
54875 MEUDUM FR.					155 48	1 10	037109
54875 MEUDUN FR. 54821 BESANCON FR. 35748 BERLIN GER.	3700 1. 20	7 57 551			116 3. 120 30	2 / 3	0343UV
54876 MELDON, FR. 54822 BESANCON, FR. 54823 BESANCON, FR. 54877 MEUDON, FR. 35749 BERLIN, GER. 55271 BRATISLAVAPP, CZE.M.	. 115 0	. ' 58 34.00			5	, w wb	401.00
54823 BESANCON FR.	2727 1: 10	17 59 06.43			106 44	10 47	₹₩   3 ₹0€₽€8
35749 BERLIN: GER.	100 14 20	.7 5. 40			131 00	34	637134 843301
55271 BRATISLAVAPP. CZE H. 11291 TOKYUPEN. JAPAN	. 575. 10	18 11 24 • / C	0	5 05			6343 <b>4</b> 2 434023
15GH3 FACOUMIMAL JAPAN	1 8 1 . 3	1b 34 . F	7.51	3 30			845002
35987 KONEU, JAPAN 11292 TORYUTUN, JAPAN 54771 EL GULEA, ALG. 54876 MELDON, FR. 54824 BESANLON, FR.	·JC5 11 20	. 6 15	6	-1. 53			4340.3
54878 MELDUN - FR.	54.1 1U 2715 11 20	1 . 50 3721.			41. 42	10 10	700000 7011co
54824 BESANCUN: FR. 54772 EL GULEA: ALG.	2727 11 2C 5411 1. 2U				174 20	6 27	8343Q9 8453U9
54825 BESANCON. FR.	1727 1. 20	17 5. 00.1.			239 36	57	N 24 90 W
54879 MEDDON: FR. 54773 EL GULEA: ALG. 54880 MEUDON: FR.	6411 11 70	17 57 00.			275 36		637109 845309
24826 BESANCON: FH.	2/2/ 11 20	. 1 21 21 17			230 40	.7	037109 906468
54774 EL GULÉA. ALG. 54881 MEUDOM: FR.	14.1 11 2C				46 5	:0 UU LL 20	845309 637109
54827 BESANCON. FR.	11-7 11-10	1 - 53 30 - 66			. 37 . 7	30 48	834304
54775 EL GULLA+ ALG. 54882 MEUDUN+ FR. 54828 BESANCON+ FR.	2715 11 20 2727 11 0	17 4			4.4. 27		637109
JATTO EL GULLA MLU	5411 11 .0	. + 54 14.65 . + 55 30.0			35 39	27 D.	834309 845309
54829 BESANCON. FR. 54883 MEUDON. FR.	2727 11 20	14 55 38.04			243 / 4	14 38 1 49	834309 637109
54777 EL GULEA ALGO 54830 BESANCON FR	6411 11 20	1 + 56 OU.D_			319 00	44 44	645309
54830 BESANCON: FR. 54884 MEUDON: FR.	2727 11 20 2715 11 20				210 41	45 03	834309 637109
54884 MEUDON. FR. 54778 EL GULEA. ALG. 54885 MEUDON. FR. 54831 BESANCON. FR. 356 <b>8</b> 4 BAGUIO CITY. PM.IS.	2715 11 40	14 57 00.0	)		337 36 230 24	4000	845309 637109
54831 BESANCON: FR.	2727 1. 20	. 4 57 00.25	)		663 67	ور پر ځو سا ۱۱	834304
35984 KAGOSHIMA+ JAPAN	0218 11 20	. 0 33 🖦	1 . 7	-43 48			842002
35675 BAGUIO CITY. PH.15. 35676 BAGUIO CITY. PH.15.	0504 11 20	.0 40 51.8				2 27 00 2 7 00	64>302 845302
11348 NAINI TAL'BN. INOIA 11360 JUPITER'BN. FLA.	9010 11 20	23 38 16.75		-17 0. -13 3.			434013 434023
11361 JUPITER BN. FLA.	9010 11 20 0090 11 20	23 40 39.45			40	2.1.6.3	434013
11353 CURACAO'UN. N.W.I.	9009 11 20	1 46 01.22		70 4.		52 42 -	845302 434013
35750 CINCINNATI: OHIC 35753 COLUMBUS: OHIO	8555 11 20 0051 11 20	3 46 52.5			139 Jo 138 45	47 42	84730Z

OBS NO STATION 35755 ROCHESTER+ Neve 11362 JUPITER'BN+ FLA+	\$TA NO 8564 9010	DATE 11 20 11 20	T1ME 23 48 02•2 23 49 50•93	R. A. 23 19 12 2 59 54	0ECL. 0 33 54 51	AZIMUIn	ALTITUDE KA	NGE INDEX 845014 434013
35743 N. CANTON. OHIO 35754 COLUMBUS. OHIO	8565 0051	11 20	23 50 20.9 23 51 35.8	1 45 05	18 50	82 57	31 42	845013 845303
35756 CINCINNAIL+ OHIO 11352 SHIRAZ'BN+ IRAN	9008	11 21 11 21	0 16 20.0 0 27 44.94	6 27 54	-25 09	141 00	23 36	840302 434023
35758:SACRAMENTO CAL. 35759:SACRAMENTO CAL.	8590 8517	11 21	1 41 16.5 1 42 26.7	23 49 36 23 37 06	-17 36 - 9 39			845012 641013
35762 SAN JOSE+ CAL+	8573	11 21	1 45 41.9	1 48 48	13 48			845032
11363 JUPITER'BN. FLA. 11339 ORGAN PASS'BN. N.M.	9010 9001	11 21	1 45 56.05 1 46 29.05	0 37 00	31 46 45 57			434013 434013
35765 PUEBLA: MEX.	0930	11 21	1 47 08.9	21 18 00 1 40 00	83 27 48 18			845043 434013
11340 ORGAN PASS'BN: N.M. 35766 PUEBLA: MEX:	9001 0900	11 21	1 47 23.52 1 46 38.6	2 30 00	85 17			845042
11364 JUPITER'BN, FLA. 35768 SAN OIEGO, CAL.	9010	11 21	1 48 51.47	19 02 36 3 •7	33 24			494013 843012
11341 ORGAN PASSION. N.M.	9001	11 21	1 49 44.57	3 40 36	46 44			434013
35763 SAN JOSE+ CAL. 11550 JUPITER'EN+ FLA.	8573 9010	11 21	1 50 09.2	3 44 58 19 16 30	23 38 68 59			<b>64</b> 5002 <b>43</b> 4013
35757 CINCINNATI, OHIO 11342 ORGAN PASSIBN, N.M.	0050 9001	11 21 11 21	2 17 32.0 3 46 01.36	19 26 12	37 21	274 12	45 00	8493UL 434013
11343 ORGAN PASSIBN. N.M.	9001	11 21	3 46 49.39	19 35 48	44 04			434013
35760 SACRAMENTO, CAL. 11344 ORGAN PASS+6%, N.M.	8517 9001	11 21	3 47 03.6	19 47 14	51 21	C 00	60 07	641354 434073
35761 SACRAMENTO, CAC. 35764 SAN JOSE. CAL.	8517 85 <b>73</b>	11 21	3 47 39.2	0 14 24	51 18 56 17			641013 840002
35767 PUEBLA+ MEX.	3930	11 21	3 48 03.0	15 .6 06	56 55			845643
35769 OENVER+ COLU. 11365 MAUI'BN+ HAHALL	8592 9012	11 21	3 48 07.8 5 41 37.11	19 39 24	14 0.	286 30	45 30	845303 434023
35770 PUEBLA . MEX.	0900	11 21	8 18 32.0	10 .8 06	- 6 00			845043
35771 PUEBLA, MEX. 11354 CURACAC'BN, N.W.1.	9309	11 21	8 18 54.1 8 19 27.92	7 00 48	- 7 25 2 05			845 (49 434 (4)
11355 CURACA0'8N. N.W.I.	9009	11 21	8 20 25.80	7 27 18	- 5 24			434013
11356 CURACAO'BN: N.W.1. 11357 TOKYO'DN: JAPAN	9009 9005	11 21 11 21	8 22 04.66 9 33 45.30	8 11 00	-17 20		+	د ين 4 و 4 د يان 4 و 4
35988 MITAKA. JAPAN 35996 MIZUSAWA. JAPAN	0229 0267	11 11	9 33 <b>58.</b> 5 9 3 <b>4</b> 0 <b>0</b>			234 36	* 8 30 38 30	84530. 84530.
35992 KONKO. JAPAN	0224	11 21	9 34 39	4 30	14 36			84500.
35989 MITAKA: JAPAN 35993 KASHIWABARA: JAPAN	0229	11 21	9 35 30.1	22 45	29	235 12	69 . 4	84530L
35995 HIGASHIMATSUYAMA.JA 35991 MUSASHINC. JAPAN		11 21	9 36 51.0 9 36 56.9			180 00 270 00	88 30 87 30	84540
11358 TOKYO'BN. JAPAN	7005	11 21	9 37 37.30	23 48 24	42 09	270 00	67 30	84530. 434013
35994 TAKADA: JAPAN 35990 Mitaka: Japan	0250	11 21	9 38 15 9 39 45 8	0 51	40	54 18	50 06	84500L
11359 TOKYOTBN. JAPAN 35772 PUEBLA. MEX.	9005	11 21	9 40 .8.50	3 52 4. 4 43 00	47 46			434013
36473 BAGULO CLTY. PH.15.	0900	11 21 11 21	11 .6 23.5	y 23 JE	-43 46	290 39 00	8 36	845043 845302
35773 QUEZON CITT+ PH+15+ 35781 HSINGCHU+ TAIWAN	0500 0505	11 21	11 30 2>	18 25 00	24 36	306	• •	845042
35784 PASAY CITY. PH.IS.	0501	11 21	11 31 34	.0 20 00		319	1 🕶	84530.
35785 PASAY CITY PH. IS. 35774 QUEZON CITY PH. 15.	0501	11 21	11 32 14 11 32 27			135 321	14 30	84530. 84530.
36016 BAGUIO CITY+ PH.IS. 35776 TAIPEI+ TAIMAN	0504	11 21	11 32 50.5 11 32 54.6	.8 4.	39 30	322 46 42	16 53 24	845302
35786 PASAY CITY. PH.IS.	0501	11 21 11 21	11 33 05			32.7	1 •	845042
35782 HSINGCHU+ TAIWAN 35775 QUEZON CITY+ PH-IS+	0505	11 21	11 34 25.0 11 34 38	18 59 00	55 36	3 3 <b>8</b>	15 30	845042
35997 KASHIWABARA. JAPAN	0222	11 21	11 47 38 11 37 50•5	.9 55	44			84500.
36317 BAGUIO CITY: PH:IS: 35777 TAIPEL: TAIRAN	0504 0502	11 21	11 37 30.3	4 15	84 12	0 28 12	13 >4 00	845301
11366 MAU1'8N. HAWA11 11374 SHIRAZ'8N. 19AN	9012	11 2. 11 21	14 10 02.45 15 26 50.74	5 53 06	- 5 42 27 25			434013 434013
11375 SHIRAZ'SN. IPAN	7008	11 21	15 28 48.28	21 00 06	50 58			434013
11376 SHIRAZ'BN+ IPAN 55204 BESANCON+ FR+	900 B 2727	11 21 11 21	15 30 43.53	23 48 48	66 52	185 42	10 32	434013 834309
55205 BESANCON. FR. 55206 BESANCON. FR.	2727 2727	11 21	17 21 06.59			183 31 176 31	12 07 16 29	834307 834307
55207 BESANCON. FR.	2727	11 21	17 63 02.27			171 20	19 12	834304
55208 BESANCON. FR. 55209 BESANCON. FR.	2727 2727	11 21	17 .4 07.05			162 32 152 16	25 55	994509 906 <b>+</b> 68
55210 BESANCON FP.	2727	11 21	17 .6 14.96			141 01	27 50	834309
55211 BESANCON+ FR+ 55212 BESANCON+ FR+	2727 27 <b>2</b> 7	11 21				124 18 117 40	26 11 27 27	834309 834309
55213 BESANCON+ FR. 55214 BESANCON+ FR.	2727 272 <b>7</b>	11 24				109 51	26 00 23 22	834307 834309
55215 BESANCON: FR:	2727	11 21	17 31 00.09			96 07	21 29	634304
55216 BESANCON+ FR. 55217 BESANCON+ FR.	2727 272 <b>7</b>					231 33 228 16	23 25 31 46	834309
55218 BESANCON: FR. 55219 BESANCON: FR.	2727 2727	11 21	19 26 12.17			2 <b>24</b> 28 217 05	39 13 49 26	834307
55220 BESANCON. FR.	2727	11 21	19 28 02 72			208 40	56 42	834309 834309
11383 JUPITER'BN. FLA. 11384 JUPITER'BN. FLA.	9010 9010							434013 434013
35787 COLUMBUS + OHIO	0051	11 21	23 14 26.9	••		180 00	28 00	845303
35790 TERRE HAUTE: 1NO. 11377 CURACAO'BN: New-1:	8127 -9009	11 21	23 14 52.20			163 30	28 55	434013
11378 CURACAO*BN. N.W.I. 11379 CURACAO*BN. N.W.I.	9009 9009							ن 43401غ 43401غ
35788 COLUMBUS: OH10	0051	11 21	23 18 00•1			133 00	41 30	8->303
35792 N. CANTON: OHIO 35789 COLUMBUS: OHIO	85 <b>65</b> 0051			2 38 56	29 11	76 52 30	21 18	845013
11385 JUPITER'BN. FLA.	9010			<b>4 40</b> 00	42 40			434013
11367 ORGAN PASSIBN. N.M.	9001	11 2	1 09 58 60	19 14 00	-20 24			434013

OBS NO STATION	5TA NO 0900	0ATE 11 22	TIME i 10 17•2	H. A. 17 48 54	DECL. 15 28	AZIMUTH	ALTITUDE HA <b>NG</b> E	1NDLA 845043
35795 PUEBLA: MEX. 35797 CHINA LAKE: CAL.	0900 8588	11 22	1 10 28.1	17 54 42	18 39	129 41 24	41 (5)1(	845043
11368 ORGAN PASSIBNI N.M.	9001	11 22	1 15 . 9 . 10	. 3 03 48	29 41	117 41 14	71	434013
35800 ST. PETERSBURG. FLA. 35791 TERRE HAUTE. IND.	0121	11 22	1 17 00 1 17 23•2	18 40	40 02	250 15	45 30	845303
35802 OAYTON+ OH10	855.7	11 22	1 18 20.0			257 48	47 06	845303
11386 JUPITER'EN. FLA. 35803 STATE COLLEGE. PA.	9010 8594	11 22 11 22	1 18 32.76	18 45 10	49 03	269 30	46 06	434013 845303
35804 NEW ORLEANS+ LA.	0030	11 22	1 20 02			0 00	45 90	5+53UZ
55710 STATE COLLEGE'P. PA. 11369 ORGAN PASS'BN. N.M.	5094 9001	11 22 11 <b>2</b> 2	1 20 20	. 3 5 8	30 18 41 48			434013
35793 N. CANTON: 0H10	8565	11 22	1 21 1200	0 .0	4, 30			845334
11387 JUPITER BN. FLA. 35801 ST. PETERSBURG, FLA.	9010	11 22 11 22	1 21 15217	1 + ₹2 5 <b>4</b> 2 58	74 31 86 . 3			434013 845002
11388 JUPITER'BN: FLA.	1010	11 22	1 22 34.00	11 10 00	05 54			434013
35805 DAYTON: OHIO 35806 N. CANTON: UHIO	8⊃57 8⊃91	14 de 11 de	1 22 37.0	J ∪1 46	50 0.	200 26	45 35	842042
11370 ORGAN PASSIBN. N.M. 35811 SACRAMENTO, CAL.	9001	11 22	1 16 -1.60	17 17 . •	38 51		01.0	434013
35796 PUEBLA: MEX.	8517 3930	11 22 11 22	3 17 06.4	10 08 30	₩ B	0 00	01.0	047043
35798 CHINA LAKEL CAL. 11371 ORGAN PASSIBN. N.M.	9588 9001	11 2.	3 17 28.9	4'1 - 7 A.	50 50	334 03 36	616 Sm JU	6473)3 64443
35812 SAN JOSE+ CAL.	B 5 7 3	11 22	3 17 57.3	U 54 17	5. 17			845003
11372 ORGAN PASSIBN. N.M. 35713 WALNUT CREEK, CAL.	4001 8535	11 22	1 17 5, 160 5 17 45.		7 31 38 35			434013 849004
35799 CHINA LAKEL CAL.	ಕ>ಕರ	1	5 .7		, 0 4 )	300 20 24	الما الما الما	045303
11380 CURACAU DN. N	1009	11 2.	7 5, 7	7	3 35			وړن4وپ وړنډوټ
11382 CURACAUTON: N	4004	11 2.	7 33 3,007	5 47 15	, 8		•	434013
11373 AREQUIPATENT PERC 11389 VILLA COLUNT *8N.AR	9007	11 22	7 56 46.13		1 2 1 7			434UL3
11390 VILLA LOLURI STBN.A9	9011	1:	8 .8 6.	48 0	1			434013
35998 FAGOSHIMAL JAPAN 35778 TAIPELL TAIMAN	3218		· 06 · 5		15 37			54.00.
35 779 TAIPEL . TALMAN	000.	11 2.	11 005	4 4 2 5	57 35			04504.
55783 HS1NGC+ TA1+A1 35780 TA1FLI TA1+AN	0>02	1	1. 07 44.6	* * * *	83 . ~ 85 ~•			0 40 U 44 L
35813 QUEZUN 117 - HH.1 35814 QUEZUN 117 - PH.1.5	200	1	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0			3 0 6	* *	34.344
35814 GUEZUN 117 PH.15.	7237	11	11 36			3 - B 3 4 + 3 U		04 104
11391 NAINI TALTES INULA	1006	11 41	14 07 1	4 .4 30	* 9 5 v			4340,1
11392 SHIRAL'SN: IHAN 11393 SHIRAZ'SN: IHAN	400R	11	1 4 57 10 +	., .; .;	54 55			4 40.3 4340.3
113 . SHIRATION AN	+300	11	15 5: 3		58 51			43 <b>4</b> 0.3
55849 POTSUAM	3378	11 2.	16 17 17.	1 - 14	- , <b>4</b> N G	46 12 40		0.74569
557.3 PUTULAM 35816 BERLIN: UEH:	.7.5 .700	1 + 4 +	16 00 00.5	. J #5 1 #	1.0 37	. 4		034,47
55401 POTSUAM	. 7. 9	11	10 34	U .7 10	5		. • . 5	034047
55319 SPETIAL UF. 35817 BERLIN. UEN.	3730	1, 42	10 57 25.1			0 1 . 4	6 · 6 · 6 · 6	034707
55 y 2 POTSUA♥	. 7.9	11	17 30 45	16	3 . 6			034047
55373 POTSDAM 55370 SPETSAL, UM.	2729 8078	11 44	.7 0. 37.5		5 54	.40 34		034249
55321 SPETSAL, UH.	6076	11	18 54			91 4° 00		n 14304
55322 SPETSAL, GA. 35818 BERLIN, GS.	8018	11	18 5 40.1				13 06	4107
55404 POTSUAM	. 7.19		in 5	40 21	7			834047
35819 BERLIN. SER. 55123 SPETJA., UM.	1730 8378	11 2.				5 35	4	24.50 4000 4000 4000
55 75 POTSDAM	2719	11 2.	1 + 60 38.	. 3 34 36				034647
356;0 8696;4. UEP. 1142; CURACAU*84. 4.4.1.	-700	11	14 00 57.6	. 47 10	5. 5.	100	40 g 40 C	54330€ 434013
114 4 CURACAU TON: 4	4304	11	.,	. □ DC ~8	60 4.			و ډ ل ډه و پ
114 3 (URALAUTEN N.A.). 35821 ROCHESTER N.Y.	4304 855=		.2 49 52. 18	. 10	- 3 54			645+13
11395 ORGAN + ALS+UN+ N.M. 36881 SAN ANTUNIC+ TEA.	3015		0 45 04.4	31 30				434J,3
35822 SAN ANTONIC + 164.	3089	11 45	0 45 40.0	x / 55	40.00			. 840001
36882 SAN ANTONIC - TER.	00/6	1. 4.4	3 45 47.30 0 44 5.47		. y 56			434013
11411 JUPITEH * 01. FLA. 11412 JUPITE - 54. F.A.	₹010 ₹0:0	14.23	0 47 .4.70 3 50 19.71	3+ 1, 3.	17 14 2 13 5 9			ۇ يان بەۋ بە د 1 تا بەد بە
56125 MAO \$50A-P+ +15 .	5 J 7 8	11 23	0 5. 21.0	U 12 4U	30 00			637007
36518 MILWAUFEL		11 23	0 52 28.3	. 34 4 09 54	34 34			64,31,
11413 JUPITEH BN. FLA.	9010	11 23	0 53 57.14	5 03 00	du 54	•		434013
35823 PUEBLA. MEX. 11398 ORGAN PASSIBN. N.M.		11 23	2 46 05 . 46 09.56	18 55 4.	4 i 5 z			842543 4340.2
35824 PUEBLA. MEX.	0900	11 23	2 47 30.0	7 10 5	50 45			845043
35828 CHINA LAKE: CAL. 11399 ORGAN PASSIBN: N.M.		11 .3	2 47 34.6 2 48 46.83	47 26 48	ئە دە	111 20 -	4 iz 4, 30	6415US 611UP6P
35829 MILWAUKEE WISC.	0074	11 23	2 53 15			275 36	دو ه۔	041304
58126 MADISON-P. WISC. 11400 ORGAN PASSIBN. N.M.		11 45	2 51 19.8 2 51 25.76	3 19 30	30 48 79 4			637JU7
35830 MILWAUREE - WISC.	6074	11 23	d \$1 56.8			.01 33	<b>4</b> 1 06	0-130-
35714 WALNUT CREEK. CAL. 11405 CURAÇAO'BN. N.W.I.		11 23	4 49 37.0 7 21 30.61	8 97 4	52 33 - 2 1:			845033 4340 <b>1</b> 3
11406 CUPACAO'BN. N.W.1.	4 00°	11 23	7 23 19.82	8 48 36	-1-1-			434023
11407 CURACAO!BN: N:W:1: 11401 AREQUIPA!BN: PERU	4000	7 11 23 7 11 23	7 26 33•79 7 26 51•72		-19 JU 28 I			د بانه و به د ۱ نه و به
11431 VILLA DOLORESTBNIA	RG 901	11 23	7 27 41.52	9 10 18	40 >	•		434013
11432 VILLA DOLORES BNIA	MC 207	11 23	3 3H 18.92	12 .0 34	- 1 0.	•		وزنهنه

OBS NO STATION 36001 KANAYA MACHI. JAPAN 35999 ASAHIKAWA. JAPAN 11410 CURACAO'8N. N. W.1. 11414 JUPITER'8N. FLA. 35825 PUEBLA. MEX. 11415 JUPITER'8N. FLA. 11416 JUPITER'8N. FLA. 11406 CURACAO'8N. N. W.1.	5TA NO 2020 0201 0258 9009 9010 0900 9010 0900 9010 9009	OATE 11 23 11 23	TIME 8 39 26.8 6 42 12.4 8 43 37 9 19 26.99 9 19 37.10 9 20 33.1 9 21 02.57 9 24 11.8 9 24 16.38 9 25 05.01	5 41 18 8 33 24 6 07 36 9 44 12 7 09 12	OECL. 35 18 22 42 35 - 3 27 -30 25 -26 43 -36 33 -36 33 -36 35 -48 31 -32 59	AZIMUTH	ALTITUDE	HANGE 1NUEA 845002 845002 845002 845003 434013 434023 845043 434023 434023 434023
11409 CURACAC'8N. N.W.I. 36019 BAGUIO CITY. PH.IS. 36020 BAGUIO CITY. PH.IS. 35831 QUEZON CITY. PH.IS. 35832 QUEZON CITY. PH.IS. 36021 BAGUIO CITY. PH.IS.	9009 0504 0504 0500 0500 0500	11 23 11 23 11 23 11 23 11 23 11 23	9 25 08.99 10 31 55.8 10 34 06.8 10 36 09 10 37 10 10 37 37.7	5 39 36	-33 22	208 57 00 330 31 12 349 356 0 25 48	2 21 48 00 18 16	434023 845302 845302 845302 845302 845302
35833 OUEZON CITY PHAIS. 36003 KAGOSHIMA+ JAPAN 36002 KAMAYA MACHI+ JAPAN 35827 PUEBLA+ MEX. 11420 NAINI TAL'BN+ INDIA 11421 NAINI TAL'BN+ INDIA	0500 0218 0220 0900 9006 9006	11 23 11 23 11 23 11 23 11 23 11 23	10 38 08 10 39 26.5 10 40 45.0 11 23 07.2 14 34 05.08 14 36 39.49	21 05 21 30 5 57 36 18 41 12 19 28 00	71 30 70 30 -37 50 53 29 78 23	2	14	042302 845002 845002 845043 434013
11422 NAINI TAL'EN, INGIA 55105 EL GULEA, ALG. 55106 EL GULEA, ALG. 55117 MEUOON, FR. 55107 EL GULEA, ALG. 55118 MEUOON, FR.	9006 6411 6411 2715 6411 2715	11 23 11 23 11 23 11 23 11 23 11 23	14 37 37.75 18 21 00.0 18 22 00.0 18 22 13.2 18 23 00.0 18 23 03.5	21 51 00	86 43	256 06 217 15 261 12 244 51	16 18 11 42 10 15 26 18	434013 845309 845309 637109 845309 637109
55108 EL GULEA: ALG. 55119 MEUDON: FR. 55109 EL GULEA: ALG. 55120 MEUDON: FR. 55110 EL GULEA: ALG.	6411 2715 6411 2715 6411 2715	11 23 11 23 11 23 11 23 11 23	18 24 00.0 18 24 05.0 18 25 00.0 16 25 15.6 18 26 00.0			268 36 211 06 279 12 205 20 295 30 200 49	35 48 18 58 43 24 25 33 50 42 30 19	845309 637109 845309 637109 845309 637109
55121 MEUDON+ FR. 55111 EL GULEA- ALG. 55122 MEUOON+ FR. 55112 EL GULEA- ALG. 55123 MEUDON+ FR. 55113 EL GULEA- ALG.	64I1 27I5 64I1 27I5 64I1	11 23 11 23 11 23 11 23 11 23 11 23	18 26 01.3 18 27 00.0 18 27 05.4 18 28 00.0 16 28 04.8 18 29 00.0			3.6 05 190 48 390 24 178 19 3 30	54 30 37 14 53 44 44 17	645345 69717 69717 69719 6453 6453 707
55124 MEUDON- FR. 55114 EL GULEA. ALG. 55125 MEUDON. FR. 55115 EL GULEA. ALG. 55126 MEUDON. FR. 55116 EL GULEA. ALG.	2715 6411 2715 6411 2715 6411	11 23 11 23 11 23 11 23 11 23	16 29 16.5 18 30 00.0 16 30 07.7 18 31 00.0 16 32 00.0			158 04 15 54 125 39 24 48 120 14	48 09 46 00 46 05 54 24 45 37 29 30	645204 645204 645204 645204 645204
55127 MEUDON, FR. 36883 SAN ANTONIO, TEX.	2715	11 4	0 14 45.5			106 56	<b>4</b> € 38	637165 8430 <b>4</b> 2
35834 MILWAUKEE. #15C. 11425 JUPITER UN. FLA.	9074	11 24	0 15 16.3	.7 >1 44	.7 .0	22. 30	72 27	6 m . 3 Ú m 4 0 4 0 . 2
36884 SAN ANTONIO: TEX. 35837 TERRE HAUTE: IND.	0096 8127	11 24 11 24	0 16 .8		34 39	236	35 40	84504 <u>1</u> 842303
35839 PUEBLA. MEX. 35843 ST. PETERSBURG. FLA.	0900	11 24	0 17 59.2	3. 30	76 00			045043
35844 FORT WORTH, TEX. 36885 SAN ANTONIO: TEX.	0139	11 24	2 18 03.1 2 18 09.6	. 53 30	36 00			845013 845042
35835 MILWAUNEE . NISC.	0074	11 2-	0 18 43.0			406 04	47 24	64,304
35846 N. CANTON. OHIO 35807 N. CANTON. OHIO	8536 8559	11 24 11 24	0.9.00.0	30 30	15 5 7			842043
11426 JUPITER'EN: FLA. 35836 Milwauree: #15C.	7010 J074	11 4	0 20 20.85	.6 5 06	63 <b>4.</b>	5 30	06 40	د با ن به او به به ان د با به ای
35845 N. CANTON: UMIO 35847 CINCINNATI: OHIO	8065	11 24 11 24	0 .1 03	45 3.	. 8	3	b b	040Uls
35849 STATE COLLEGE. PA. 35850 ST. LOUIS. MG.	8594	11 24	0 21 34.7	1 04 36	40 32	40. 4	00 44	8⊕2303 8450.2
35836 TERRE HAUTE: IND. 55711 STATE COLLEGE!P: PA.	8127	11 24	0 22 07.0	II 0 55	38 14	7 <b>5</b> 30	73 35	645303 637019
11427 JUPITEP'BN. FLA.	7010	11.4	0 25 56.78	: 48	00 0			434013
35853 W. PALM BEACH. FLA.		11 14	0 25 57.2	3 4 4 30		5 00	J1 00	845012
35854 SAN OIEGO+ CAL. 35856 SACRAMENTO+ CAL.	8517		14 3J.6 2 16 34.7	19.18	-10 00	.00 00	13 36	045U12
35857 DENVER+ COLO. 35855 SAN DIEGO+ CAL.	8592 0133	11 24 11 24	2 17 0.•1	.c .7 30	39.42	.54 15 0	00 35 00	842302 842012
35859 ROCHESTER: N.Y. 35840 PUEBLA: MEX.		11 24 11 24	2 19 33.6	17 32 42	11 33 57 4.			845014 845043
35848 CINCINNATI + OHIU 35860 ROCHESTER + N.Y.	0050	11 24 11 24	2 20 27.8	17 55 36	19 24	. 85		845302 845014
35861 CHICAGO: ILL.	0020	11 24	2 23 15			290 30	52 00	845302
35858 DENVER+ COLO.	8592		2 23 38.7 2 23 38.7	.0 32	42 12	44 00	53 15 00	
35810 N. CANTON: CHIO 35862 PHOENIX: ARIZ.		11 24 11 24	4 19 07.6	20 32 18 18 59	41 57 39 54			845033 845033
11443 AREGUIPA BN. PERU 36004 HIGASHIMATSUYAMA.JA	9007	11 24	6 54 51.19 B 05 15	1 17 12	37 QE			43401 <b>3</b> 845002
35841 PUEBLA. MEX.	3900	11 24	8 53 25.7	9 48 44	-33 15			845043
35842 PUEBLA: MEX. \$1423 CURACADIBN: N:W:1.	9 <b>0</b> 09	11 24	8 54 <b>1</b> 0.5 8 58 <b>1</b> 4.16	9 40 30 6 39 24	-46 5	,		845 <b>04</b> 3 434023
11444 AREQUIPATENT PERU 35863 QUEZON CITYT PHOIS.		II 24 11 24	9 00 37.02 9 59 49	8 08 42	- 4 04	293	14	<b>434</b> 013 8 <b>4</b> 5302
36022 BAGUIO CITY+ PH-15+ 35869 TAIPEI+ TAIRAN	0504	11 24	10 02 16.4	. B . B 30	38 00	310 19		
35864 OUEZON CITY+ PH-15+	0500	11 24	10 04 22	. a . B 30	38 O(	334	20	845302
36023 BAGUIO CITY+ PH-15- 35865 QUEZON CITY+ PH-15-		11 24 11 24	10 06 08.5			351 16 4 358 30	48 al 34 la 15 30	845302 84 <b>3</b> 302

OBS NO STATION 35870 TAIPEI+ TAIWAN 36005 MITAKA+ JAPAN 36008 YOKKAICHI+ JAPAN	STA NO DATE 0502 11 24 0229 11 24 0258 11 24	TIME 10 08 00.5 10 08 50.6 10 09 04	R. A. 23 55	DECL. 78 18	AZ 1MUTH 291 06	AL #11UDE	RANGE INDEX 845042 845302 845002
36006 MITARA: JAPAN 36009 KANATA MACHI: JAPAN 11418 TOKYO'BN: JAPAN 36024 BAGUIO CITY: PH:15:	0229 11 24	10 09 53.5 10 10 05.0 10 11 00.20 10 11 45.3	20 39 20 35 18	62 12 60 01	304 36 23 14 24	6 42 36	845302 845002 434013
36007 MITAKA. JARAN 36010 YOKKAICHI. JARAN 11419 NAINI TAL'EN, INOIA 11460 MAUI'EN. MARAII 55324 SPETSAI. GR. 35871 BERLIN. GER. 55325 SPETSAI. GR. 35872 BERLIN. GER. 35873 BERLIN. GER. 55326 SPETSAI. GR. 55128 MEUGON. FR.	0229 11 24 0258 11 24 9006 11 24 9012 11 24 8078 11 24 8078 11 24 0700 11 24 0700 11 24 0700 11 24 0700 11 24 2715 11 24 2715 11 24 2715 11 24 8078 11 24	10 11 49.9 12 11 43 14 06 22.62 14 50 24.65 15 54 11.9 15 58 29.9 15 59 18.3 16 00 16.8 16 00 16.9 17 52 41.7 17 53 39.1 17 54 09.9 17 55 06.1 17 56 36.04 17 57 01.7 17 59 28.04 18 00 28.27 18 00 28.27 18 00 28.27 18 00 18.9			29 21 00 146 12 314 47 24 137 30 129 12 241 47 24 165 12 149 26 140 32 85 14 24 125 29 112 06 205 11 201 52 119 11 167 02 115 01 126 08 131 39 118 06	29 54 00 86 24 63 50 24 17 36 18 06 14 27 30 41 20 43 42 43 55 10 51 30 42 20 38 42 32 17 35 26 44 19 52 03 44 19 54 01 56 04 56 04 56 04 57 05 58 0	845302 845002 434013 434023 834309 845302 834309 845302 854309 637109 637109 834309 834309 834309 834309 834309 834309 834309 834309
35887 QUEZUN CITY: PHOLS- 35886 QUEZUN CITY: PHOLS- 35876 TERRE HAUTE: INC- 11-28 JUPITER*DN: FLA- 35878 NEW ORLEAMS: LA- 11-430 JUPITER*DN: FLA- 35851 ST. LOUIS: MO- 35875 POCHESTER: NAY.	0500 11 24 0500 11 24	18 03 03+53 16 03 03+y 18 52 55+56 18 57 24+5 18 58 22+y 20 37 43 20 42 53 20 44 50 23 44 16 23 54 10-34 23 54 11-6 23 57 21-26	10 28 30 10 09 36 18 47 06 3 40 54 0 12 42 0 36 30 5 38 35	2 59 38 20 59 13 32 48 37 25 47 24 56 44	117 36 169 09 36 143 46 141 52 248 30 219 30 210 90 30	48 17 56 03 00 36 09 29 47 16 30 16 00 13 30 66 10	834309 834309 434013 645302 645302 645302 645302 645303 645303 645303 645013 645013 845032 434013
50127 MADISON-P. SISC. 35871 TERRE HAUTE. NO. 35882 ST. LOUIS. MU. 35882 ST. LOUIS. MU. 35882 ST. LOUIS. MU. 35883 SACFAMENTO. CAL. 11424 CURACAUTEN. N.S. 35884 PUEBLA. MEX. 135884 PUEBLA. MEX. 135885 TOWNSYILLE. AUSTR. 35885 TOWNSYILLE. AUSTR. 1438 SAN FERNANDOTEN. SP 36025 DUEZON CITY. PH.IS. 36027 GUEZON CITY. PH.IS. 36027 GUEZON CITY. PH.IS. 16435 JUPITENTEN. FLA. 35887 TERRE HAUTE. NO. 11452 JUPITENTEN. FLA. 35893 MILMAUKEE. HISC. 35896 ROCHESTER. N.Y. 35895 MILMAUKEE. HISC. 35895 MILMAUKEE. HISC.	7009 11 25 0 700 11 25 0 700 11 25 8576 11 25 8576 11 25 9003 1: 25 0 700 11 25 0 000 11 25 0 000 11 25 9010 11 25 9010 11 25 9010 11 25 9010 11 25 8544 11 25 0074 11 25 0074 11 25	23 22 15 8 23 23 09 2 23 25 54 9 23 28 12 4 23 28 19 69	7 23 48 20 0A 06 22 51 22 57 30	25 36 62 22 41 42 -36 08 -55 25 -57 25 -32 48 8 10 64 37 7 26 71 51 28 40 26 52	203 30 196 50 190 00 180 115 06 77 42 70 12	62 50 36 50 57 04 66 57 87 47 16 13 10 50 62 50 50 .8 27 44 11 54	041304 637007 642003 842003 642004 6430023 8450043 8450043 845004 845004 845004 845004 845004 845004 845004 845003 845003 845003 845003 845003 845003 845003 845003 845003 845003 845003 845003 845003 845003
35898 MILWAUKEL WISC. 35991 OCNVER CUCO. 35899 MILWAUKEL WISC. 35888 TERRE HAUTE. IND. 11448 JURITER'BN. FLA. 35904 CHICAGO. ILL. 35904 CHICAGO. ILL. 35907 NEW ORLEANS. LA. 35908 NEW ORLEANS. LA. 35905 CHICAGO. ILL. 35906 CHICAGO. ILL. 35906 CHICAGO. ILL. 35906 CHICAGO. ILL. 35909 CINCINNATI. OHIO 35900 MILWAUKEE WISC. 35889 TEPPE HAUTE. INO. 11450 JUPITER'BN. FLA. 35891 N. CANION. OHIO	0374 11 26 8592 1 1 26 0074 11 26 8127 11 26 7010 11 26 0139 11 26 9010 12 26 0020 11 26 0031 11 26 0031 11 26 0040 11 26 0020 11 26 0020 11 26 0040 11 26 0057 11 26 8564 11 26 8127 11 26 8127 11 26 8127 11 26 8544 11 26	1 17 05e. 1 19 26e4 1 21 22e7 1 22 49e6 1 22 49e7 1 22 52e6 1 23 54e35 1 24 07 1 24 53 1 25 01e6 1 25 36e6 1 25 36e6 1 25 39e4 1 25 55e2 1 26 07e07	22 49 00 17 43 48 20 46 18 23 40 0 19	54 2C 79 33 62 32 41 54 60 00 61 25	302 0 00 0 347 36 25 30	11 18 67 18 41 12 48 25 66 30 34 00 30 72 18 58 00	641304 641303 641303 434013 845013 845013 845302 845302 845302 845013 845042 845042 845303 845303 845303
35892 N. CANTON: OHIO 35902 DENVER: COLO.	8559 11 26 8592 11 26	1 26 47.1 3 21 54.6	23 49 50		3	0 70 51 0	845033

OBS NO STATION	STA NO		11ML _	R. A.	DECL.	AZ JMU1#	AL 11 LUUE	HANGE INDEA
36028 PUEBLA MEX. 35910 CINCINNATI, UNIO	0 <b>9 0</b> 0	11 26 1 <b>1</b> 26	3 23 08. <b>7</b> 3 23 22.9	17 30 00	61 41	297 36	14 06	845043 845302
36329 PUEBLA: MEX. 11447 CURACAO'BN: N.W.I.	0900	11 26 1 <b>1 2</b> 6	3 24 12.8 7 56 16.41	17 14 12 6 20 24	68 40 -38 16			84 <b>9</b> 043 434023
\$1445 AREQUIPATEN, PERU	9007	11 26	8 00 43.56	8 42 00	1 04			434013
36247 KONKU: JAPAN 36248 YATSUSHIRO: JAPAN	0224	11 26 11 26	9 10 21.0 9 16 51	22 28 00	61 48	47 00	12 18	845002
36249 MIYAZAKI. JAPAN 36252 MIYAZAKI. JAPAN	0230	11 26 11 26	9 16 55.0	5 14 30 18 CD 12	42 36			845002 845002
36250 KANAYA MACHI. JAPAN	0220	11 26	11 10 22	16 32	36			89500Z
36253 KAGOSHIMA+ JAPAN 36254 HIGASHIMATSUYAMA+JAP	021H 0210	11 26 11 26	11 12 52.5 11 14 38.2	18 27 19 45	71 -8			845002 845002
36251 YATSUSHIRO, JAPAN 36255 MIYAZAKI, JAPAN	0272	11 26	11 1- 46		10.1	0 00	32-42	845304
55275 SARATOV+ US&R	0230	11 <b>7</b> 6 11 26	13 12 10.3	19 19 <b>1</b> 2 40 30	39 1. 29 00			845002 845009
55276 SARATOV. US\$R 11439 NAINI TAL'8N. INDIA	1044 9006	1 <b>1</b> 26	15 06 51.8 15 09 28.20	1 00	28 18 70 09			845009 434013
55277 SARATOV. USSR 55133 MEUDUN. FR.	1044	11 26	15 09 46.0	79 06	19 42	16.3		845009
55134 MEUDON. FH.	2715 2715	11 26 11 26	16 55 01.6			192 02	15 52 17 12	7109 10776
56341 POTSOAM, UER. 55135 MEUDON, FR.	2729 2715	11 26 11 26	16 55 51.6	20 08 54	-20 54	183 42	02	834049 837109
56042 POTSDAM. GER. 55136 MEUDON. FR.	2729	11 26 11 26	16 57 00 7	20 37 24	-17 2B	173 34	.7 08	834047 637107
55137 MEUDUN. FR.	715	11 26	16 58 10.3			102 3.	3 27	7109ده
56343 POTSOAM. GER. 55138 MEUDON. FR.	2729 2715	11 26 11 26	16 58 22.7 16 59 05.7	21 17 33	-12 33	150 23	33 28	834049 637109
55139 MEUDUN FR. 55272 RIAZAN USSR	2715	11 20	17 00 16.1	4.7. 1.7		133 59	34 13	637109
55143 MEUDON. FR.	2715	11 .6	17 00 48.1 17 01 01.e	57 12	16 00	173 48	33 l="	645009 637109
55141 MEUDON FR. 55273 RIAZAN JUSSK	2715	11 26	17 02 12.05	4. 30 '	34 36	110 11	30 28	637109 845009
55142 MEUDUN. FR.	. 715	.1 .0	17 03 57.6	4, 50	34 30	95 U+	اد د ۱	837109
35911 BERLIN: GER. 35143 MEUDON: FR.	2715	11 16	17 04 34.8			93 .4	26 12 22 24	20cc+8 2017c8
35912 BERLIN: GEH. 55144 MEUDON: FR.	370u 2715	11 16	17 5 03.6			88 -1	32 <b>→</b> 8 19 38	842302 637 <b>.0</b> 9
35913 BEPLIN. GER.	2700	11 26	17 00 11.0			104 15	20 00	0403Q <u>2</u>
55145 MEUDON . FR. 55146 MEUDON . FR.	2715 2715	11 26 11 26	17 06 11.7			83 39 80 34	15 42 12 57	637.08
55274 PIAZAN, USSH 11434 HOOMERA'BN, AUSTA.	1042	11 26 11 25	17 07 27.5	10 00 4.	53 .4			843JJ5 434343
36682 ADELAIDE, AUSTR.	8575	11 .t	17 54 57.7	.0 30 4.	10 )	44 15	دد	o <b>-</b> >>>0.
36683 ADELATUE: AUSTR: 36684 AOELATUE: AUSTR:	80 76 80 76	14 45	.8 00 23.9			101 10	21 30	8453UL 2450L
35914 GLASGOW + SCOT + 35915 ROCHESTER + N.Y.	5551	11 26 11 26	19 -4 -6.6	0 05 09	27 37	136 00	20 30	845JJL 845JJ4
11454 JUPITER'UN, FLA, 55284 SPOKANE, MASH.	9010 8142	11 27 11 27	0 49 375	.7 .4 30	3. 48	.29 3€	٥٠ ن	4 <b>34</b> 01) 84000
35916 DENVER+ LOLG. 35922 ROCHESTER+ N.Y.	8592 8564	11 27	0 52 04.0	19 .9 .4	19	69 45 0	J 7J 24	645303 . 545013
55285 SPOKANE, MASH. 11455 JUPITER'BN, FLA.	8142	11 27	0 5. 46.3			131 12	.7 .8	V ( ) ( ) ( )
35917 ROANOKL . VA.	9010	11 27	3 53 01•47 3 53 48	.7 .7 00	57 56			4340.3 40C48
35920 NEW ORLEANS+ LA. 35921 ROCHESTER+ N.Y.	3035	11 27	0 04 22	4. 1.	31 57	. J JJ	36 00	842012 84233
35924 ROCHESTER. N.T.	8585	11 47	0 54 57.0	. 0 46 39	42 5.			845032
35925 NEW ORLEANS: LA. 35923 ROCHESTER: N.Y.	00 <b>3</b> 1	11 27 11 27	0 55 27 0 56 37•7	36 48	56 43	J	31 30	8453J2 410C48
11456 JUPITERIBN. FLA. 35926 SAN JOSE. CAL.	9010 8573	11 27	0 56 4E . 17 2 47 37 49	12 19 00	35 40 31 37			434013 845002
35927 SAN JOSE: CAL.	8573	11 27	4 4 05 • 9	. 7 -3 39	46 01			845002
55286 SPOKANE + #ASH. 55279 SPOKANE + #ASH.	8142 8142	11 27	2 52 47.0			180 16	75 48 3	6 645307
11461 MAU1'BN: HAWAII 55287 SPOKANE: #ASH:	901. 814.	11 27	4 44 51.76	16 (1 44	75 ⊶8	.74 00	37 .4	+34013 40€5÷8
11457 VILLA DOLORES'BN.ARG	9011	11 27	1 . 8 . 4 . 47	6 57 00	17 50			434015
11446 AREQUIPATENT PERU 11458 VILLA DOLORESTENTAR	9007 9011	11 27 11 27	7 30 15.80 7 39 56.31	8 46 48	5 14 -13 16			4340L0 616484
36262 NAGANO+ JAPAN 36256 ★11AKA+ JAPAN	0234	11 27	8 36 .7 1 . 6 8 8	20 00	<b>→</b> 3	274 18	<b>4</b> 8 30	84500 <u>.</u> 845303
36259 KONKU. JAPAN	0224	11 . 7	8 39 47.1	21 55 30	5- 36			845004
36261 KANAYA MACHI. JAPAN 11437 TOKYO'BN. JAPAN	0220 9005	11 27 11 27	8 39 47 · . 8 39 56 · 30	1 55 30	54 36 46 15			84500Z
36257 MITAKA - JAPAN : 36264 HIGASHIMATSUYAMA - JA	0229 P 0210	11 27 11 27	8 41 14.0 8 41 33.6	0 47 42	64 06	352 . ◄	b.4 .8	845303 845002
36260 YOKKAICHI+ JAPAN	0258	11 27	8 42 10	1 13	64			845002
36263 YATSUSHIPO+ JAPAN 36258 MITAKA+ JAPAN	0272 0229	11 27 11 27	8 43 10 8 43 23.5			42 30 33 48	40 04	54002 8450 <b>3</b>
36265 MITAKA. JAPAN 36271 KAGOSHIMA. JAPAN	0229 0218	11 27 11 27	10 41 57.4	18 10	71 30	307 12	26 18	. 845363 545002
36269 YATSUSHIPO JAPAN	0272	11 27	10 42 45	.0 10	71 30	340 42	33 36	845302
36266 MITAKA+ JAPAN 11438 TOKYO'BN+ JAPAN	9005	11 27 11 2 <b>7</b>	10 43 37.7 10 43 42.80	19 03 00	60 03	322 18	34 24	845303 434013
36268 YOKKALCHI+ JAPAN 36270 MIYAZAKI+ JAPAN	0258 0230	11 27	10 45 51	9 39 6 16	8.5			845002
36267 MITAKA: JAPAN	0229	11 27	10 45 54.4		76 30	352 12	+1 06	845002 845303
36273 KAGOSHIMA+ JAPAN 36272 MIYAZAKI+ JAPAN	0218 0230	11 27 11 27	12 43 27 12 43 27.3	18 58 19 05 00	48 30			845002 845002
11440 NAINI TAL'EN. INDIA 11441 NAINI TAL'EN. INDIA	9006	11 27 11 27	14 38 07.72	17 43 24 18 47 18	62 ±6	,		434013
11442 NAINI TALIEN. INDIA	9006	11 27	14 40 50.22	18 38 00	81 20	)		434013 434013
36685 ADELATUE, AUSTR. 11435 WOOMERA'BN, AUSTR.	8596 9003	11 27 11 27	17 18 44.7 17 21 39.37	9 55 12	12 05	24 20	21 20	845302 434013
22.32					0			454015

	5TA NO 0602 0602		TIME 17 23 08.1 17 28 14.4	R. A. 8 56 11 24 30	DECL. 11 43 -14 48	AZ IMUTH	ALTITUDE	RANGE INDEX 845049 845049
55147 MEUDON. FR. 55148 MEUDON. FR.	2715 2715 2715	11 27 11 27 11 27 11 27 18 27	18 28 21 . 7 18 29 15 . 7 18 30 14 . 3 18 31 17 . 2	11 14 30		232 29 227 50 220 09 203 41	31 36 39 33 49 26 60 33	637109 637109 637109 637109
36030 BRISTOL, ENG. 55151 MEUDON, FR.	0650 2715	11 27 11 27	18 31 51.4 18 33 15.5	22 48 12	10 O <b>l</b>	134 12	66 1.6	845042 637109
55152 MEUDUN. FR. 55153 MEUDON. FR. 55154 MEUDON. FR.	2715 2715	11 27 11 27 11 27	18 34 00.9 18 35 15.6 20 28 24.5			114 2 <b>2</b> 97 5 <b>3</b> 269 10	60 13 48 49 17 10	637109 637109 637109
55155 MEUDON. FR. \$5156 MEUDON. FR. 55157 MEUDON. FR.	2715	11 27 11 27 11 27	20 29 01.1 20 30 17.4 20 31 27.5			268 52 268 00 266 33	20 44 28 54 39 05	637109 637109 637109
55158 MEUDON, FR. \$1462 JUPITERIUN, FLA.		11 27	0 20 16.05	17 09 12	38 47	265 30	44 12	637109 434013
35928 TERRE HALTE. INC. 11463 JUFITER SH. FLA.	8127 9010		22 39.44	.7 39 36	57 49	275	42 10	845303 434013
35930 ST. PETEMBBURG: FLA. 35931 NEW JRUBANIE LA.	2.1	11 28 11 26	0 23 49.3	17 12 00	56 08	0 00	35 30	845032 845302
35931 NEW DRICAND. CA. 35932 NEW DRICAND. CA. 35927 TERRE MA TE. ING. 11464 JUPITER! N. C.A. 35938 MCANDEL A.	8127	11 28	0 23 55 0 15 12.4			0 19 30	32 60 10	845302 845303
357.2 40ANO.:A.	3013	1. 26 11 .d	0 .7 30	23 25 05	35 →2 76 ≥0			434015 845042
359 1 5AN DOLE CAL. 359 15 AN DOLE CAL. 359 15 AN DOLE CAL. 359 15 AN DOLE CAL. 359 17 AN DOLE CAL.	8573 8173	11 .8	2 20 01.3	21 28 07	51 37 69 22			645002 845002
35 / 35 AN JC E. CAL. 35 / 35 ACHAMENTE CAL.	8017	11 .c	2 22 11.9	1 5, .0	64 57 7J 51			845002 641013
			6 54 37.0	72 32 10	65 58 35 18			845002 434613
11466	1311	1: 2:	7 04 49.37	9 24 48	11 46 39			434013 84>002
2. 17 M T1. 1 1 14			6 JH 46 H J7 41.6			301 00	70 00	845303 845303
302 7 TITALA. HINA. 302 75 MITALA. ALAN 302 77 MITALA. JAIAN 11-11 10 FTO TITE JAIAN 302 8 MITANA. AFAN	7005	11 28	e 54.5		56 35	0 00	67 00	645302 434013
362 - MITANAT TAFAN		14 . 5	5 .2 02.0	47 70	20 33	3. UU 3. 4. 4. 2	>6 36 7 03 0∪	645 <i>3</i> 03 645 <i>3</i> 02
						343 44 24		845302
30. 12 MAGGIG TIPE FROM 11-70 TOPYOTEN JAPAN 36270 MT AGAT GA AN 66270 MT JAPAN GA AN 66270 MT JAPAN GA AN 66270 MAGGIG TIPE FROM 15020 MAGGIG TIPE 15020	0250	11 20	10 11 33		71 36 •9			434013 845002
36.7 - MITAKAT A-AN 36.7 - MIZ JAART AFAN	0.57	1. 18 1. 18	.10 25.0			3.3 30 3.0 36	3. 42	845303 845302
15 - 140.10 1114 PH.1 .	J: J=	11 28	.0 .4 .2	2 30	85	16 49 14	4 . 4 . 4	845302 845002
16. H. Milzen. 18 A.		6		6 .7 36	59 1.	358	4. 1.	845303 845042
10. F. GITZEA. MAN. 15 - TAIDEL. MIAN. 15. MITAEA. JAIAN. 10. TAGOLI C.T. P.	54.7					.5 4. 34. 58 l.	39 3 45 36	840303 845304
35.71 * **A; P1* SAPA*	58	1 5		. , 04	40 77 59	,42 ,0 ,2	, , ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	845004
55 * * * - * * A1. U	9.76		15 55	16 .1 00	(1)	88 45 38	18 28 1.	834309
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timi Medicha fa.	1115	. n	17 57 06.7			119 50	24 07	837109 834309
56 64 P T DAY, 567.	4 6 9	11 26	.7 57 37.7 .7 58 27.8	. 7 . 7 . 5	- 6 .0		31 37	834049
16561 ELCHUM, 344	13 4	11.28	17 58 14.40	20 27 00		227 70	31 21	434013
51 / 6 ROEEm! ". SEF.	. (23	11 24	17 58 37.6 17 58 44.0	. U . C 58	- 5 06			845042 834009
55.64 MEUSUM, FV. 55164 Meusum, FM.	711		.0 00 .8			218 53	91 08 53 41	637109 637109
SIV THOUGHT	47. 1	11 40	:00.00.4	.U 55 38				834009 834049
35.11 ME 101. FA. 55.14 PETJAI. JA.	8	:. 25	18 0. 03.6 15 0. 15.5			191 01	59 01 0 23 19 48	637109 834309
55146 MEROUNA FR.	27.5	6	18 18.0	23 0. 56	17 44	150 32	63 50	637109
55197 ME.CON. Fr. 55168 ME DON: Fr.	2100	1	18 03 03.4		24		60 38 52 40	637109
5169 M. COM	. 7:5	11 . 5	.8 05 15.8			95 29	42 20	637109 637109
1574] EIRLIN: JER. 16654 HOCHUM: JER: 55170 Miudo: 12	ガンデタ	14 20	18 05 54.6	1 05 57	. 3 38		56 42	845302 845042
5517 MEUDON, FR. 553:5 PETSAL, UR. 1574, BERLING UER.	8,715	11 20	18 06 09.4 18 08 32.5			90 15 180 48 0	35 49 0 45 40 14	
SEJ46 POTEDAME GEF.	27.9	11 28	16 06 42.3	2 10 24	23 09	122 48	50 0 <b>6</b>	845302 834049
55171 MEUDON: FA. 35743 BEPLIN: JEP.	3700	11 28 11 28	18 07 12.4			86 40 116 54	30 09 46 42	637109 845302
11448 ADGMERATE A AUSTR. 55172 MEUDUNA FR.	7003		18 53 40-11	8 11 06	-12 12			434013 637109
55173 MEUDUN. FR. 36664 BOCHUM. SER.	2715 8504	11 28 11 28	19 59 08 1 19 59 23 1	19 52 13	7 22	266 36	17 44	637109 845042
55:14 MEDDUM: FR. 55:08 ROBE:15cm: GER.	2715	1: . 6	20 00 17			265 59	24 45	637109
Jaroc Ruce#15Ch* UCK.	4 / 2 2	44 40	20 00 55.3	20 03 48	11 30			834009

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55175 MEUQON. FR. 36665 BOCHUM. GER.	2715 8599	11 28 11 <b>2</b> 8	20 01 09.9 20 01 33.8	20 36 56	34 42	265 15	31 05	637109 845042
36666 BOCHUM. GER. 55176 MEUDON. FR.	8599 2715	11 28 1 <b>1</b> 28	20 01 50.0 20 02 09#8	20 43 27	15 12	264 01	39 38	845042 637109
55177 MEUOON. FM. 11470 SAN FERNANDOBEN. SP.	2715 9004	11 28 11 28	20 03 11m8 20 03 48m40	22 27 30	82 04	261 36	50 19	637109 434013
55178 MEUOON. FR. 55909 ROOEWISCH. GER.	2715 2733	11 28 11 28	40 04 11.6 20 04 35.2	40 48 24	18 24	256 40	62 26	637109 834009
\$6667 BOCHUM. GER.	8599	11 28	20 04 42.5	22 40	26 20	280 01	14 48	845042 637109
55179 MEUDON, FR. 11477 JUPITERIBN, FLA.	2715 9010	#1 28 11 28	22 02 08.7	16 52 30	39 00		24 49	434013
11478 JUPITER'BN. FLA. 35944 NEW ORLEANS, LA.	9010 0031	11 28 11 28	23 52 30.95 23 53 11	16 49 48	60 56	° 0	32	434013 845302
11479 JUPITER DN+ FLA.	9010	11 29	0 00 00.18	6 20 00	58 32			434013
35919 ROANUKE: VA. 35945 SACRAMENTO: CAL.	0073 8517	11 29 11 29	0 55 52 1 50 09 <b>.1</b>	22 57 20	75 45	0 00	71 46	845042 641304
55278 SPORANE: #ASH. 36036 PUEBLA. MLX.	8142	11 29 11 29	1 51 10.0 1 53 05.2	15 53 00	68 53	780	65 14 24	845309 845043
11474 ORGAN PASSIBM, N.M. 36038 DENVER. COLO.	9001 8592	11 29 11 29	1 53 27.36 1 53 51.4	18 55 12	84 52	345 45 00	58.36	434013 845303
36037 PUEBLA: MEX. 55280 SPOKANE: WASH.	0900 8142	11 29 11 29	1 54 15m5 1 54 27.5	15 01 06	75 08	91 36	47 42	845043 845309
36039 DENVER+ COLO.	8592	11 29	1 55 30.6			24 18	52 30 29 06	845303 845309
55281 SPOKANE + WASH. 35947 FORT WORTH + TEX.	8142 0139	11 29 11 29	1 56 52.5 1 57 11.8	5 57 48	79 48	79.36		845013
55282 SPOKANE: #ASH. 36340 SAN JOSE: CAL.	8142 8>73	11 29 11 29	3 48 39.1 3 50 25.1	18 35 30	42 44	266 54	15 30	845309 845002
36041 SAN JOSÉ: CAL. 35945 SACRAMENTO: CAL.	8573 8517	11 29 11 29	3 53 06 • 5 3 54 53 • 3	23 41 36	77 23	0 00	49 49	845002 641304
55283 SPOKANE: #ASH. 11475 AREGUIPA: BN. PERU	8142 9007	11 39 11 29	3 55 11.0 6 29 57.44	9 04 42	7 12	260 54	79 06	845309 434013
11476 AREQUIPATEN. PERU	9007	11 29	6 32 09.33	5 59 48	-24 21			434023 845002
36286 YOKKAICHI. JAPAN 36288 KANAYA MACHI. JAPAN	0258	11 29 11 29	9 40 35	18 35 17 58	5 2 5 2			845002
35289 SAPPORO: JAPAN 36290 MIZUSAWA: JAPAN	0267	11 29 11 29	9 42 34 9 44 00	19 42	37	327 00	50 18	845002 845302
35287 KASHIWABARA: JAPAN 36291 YOKKAICHI: JAPAN	0222	11 29 11 29	9 44 17 11 <b>42</b> 45	23 31 18 43	*0			845002 845002
36292 SAPPORC. JAPAN 11481 NAINI TAL'BN. INDIA	9006	11 29 11 29	11 45 21 13 39 06.34	20 28 16 10 30	80 47			845002 434013
11482 NAIN1 TALTEN. INDIA	9006 2729	11 29 11 29	13 39 46.07	13 57 42 18 52 30	85 48 -12 33			434013 834049
56148 POTSOAM. GER.	2729	11 29	17 31 12.2 17 35 42.1	21 08 24	6 21			834049 834049
55180 MEUDON FR.	2729 2715 2715 2729 2715 2715 2715	11 29	19 27 26.9	1 16 00	21 -1	264 14	11 31	637109
55181 MEUDON. FR. 56J53 POTSDAM. GER.	2729	11 29 11 29	19 28 07•6 19 28 27•0	19 24 36	2 -1	264 30	14 51	637109 834049
55182 MEUDON. FR. 55183 MEUDON. FR.	2715	11 29 11 29	19 29 08.2 19 30 02.2			263 38 262 58	20 .9	637109 637109
55229 BESANCON: FR. 55230 BESANCON: FR.	2727	11 29 11 29	19 30 15 82 19 31 05 45			271 22 271 33	28 03 28 55	834309 834309
56251 POTSOAM. GER. 55231 BELANCON. FR.	2729	11 29 11 29	19 32 06 • 0 19 32 26 • 75	20 34 54	13 16	272 02	•0 31	834049 834309
11460 SAN FERNANOC'BN. SP. 55232 BESANCON, FR.		11 29 11 29	19 32 44.30 19 33 02.27	20 36 00	79 20	272 15	46 41	434013 834309
55233 BESANCON. FR.	2727	11 29	19 34 19.45			273 04	62 31	834309
55234 BESANCON+ FR+ 54 52 POTSDAM+ GER+	2727 2729	11 29 11 29	19 35 08.39 19 35 •1.8	22 55 48	25 02	274 23	74 12	834309 834049
36342 FORT WORTH+ TEX+	0139	11 30	1 26 16.5	.8 40 00	88 42			845013
36043 NEW ORLEANS: LA. 36044 NEW ORLEANS: LA.	0030	11 30 11 30	1 27 01.5 1 27 06			0 00	28 00 28 00	845302 845302
36045 BILOX1: MISS. 36046 TERPE HAUTE: IND.	0090 8127	11 30 11 30	1 27 18 1 27 24.0			0 5 د و	26 18 <b>3</b> 2 25	845302 845303
11489 OLIFANTSENTN'BN.S.AF 11483 APEGUIPA'BN. PEPU		11 30 11 30	2 12 27.30 6 02 40.93	6 08 12 10 02 54	-17 22 - 7 32			434013 434013
11486 VILLA DOLORES'BN.ARC	9011	11 30 11 30	6 05 17.20	9 46 42	7 26			434013 434023
11487 VILLA DOLOPES BN. ARC	9011	11 30	8 16 12.79 9 12 23.8	14 11 30			39 42	434023 845303
36293 MITAKA: JAPAN 36294 MITAKA: JA <b>PAN</b>	0229	11 30	9 13 23.7			326 12 342 42	42 18	845303
11498 TOKYOTUN: JAPAN 35295 MITAKA: JAPAN	0229	11 30 11 30	9 14 53.60 9 15 20.3	2 03 00	81 35	14 00	39 24	434013 845303
11492 NAINI TAL'BN: INDIA 55184 MEUDON: FR:	9006 2715	11 30 11 30	13 08 22•19 16 59 35•7	15 44 42	82 31	183 55	48 13	434013 637109
55185 MEUQON. FR. ' 55186 MEUQON. FR.	2715 2715		17 00 07.4 17 01 07.4			172 35 147 08	51 25 53 38	637109 637109
55187 MEUDON: FR. 55188 MEUOON: FR.	2 715 2 715	11 30	17 02 03.4 17 03 03.9			125 02 108 19	50 29 44 00	637109 637109
55189 MEUOON+ FR. 36047 BOCHUM+ GER.	2715		17 04 10 7 17 05 15 6	1 54 16	20 4:	96 49	36 18	637109 845042
11490 WOOMERA'BN. AUSTR.	9003	11 30	17 53 12.26	8 49 48	-10 20	)		434013
11491 SAN FERNANDO'BN: SP. 11494 OLIFANTSENTH'BN:S:AI					77 52 9 31			434013 434013
36348 GENVER. COLO.	8592		0 50 28.5				ود 1 ﴿ 00	845303
36051 TERRE HAUTE+ INO. 36052 SAN ANTONIO+ TEX+		12 01 12 01	0 51 28.4 0 54 42.4	8 05 00	84 30		42 30	845303 845013
36054 NEW ORLEANS: LA. 36055 NEW ORLEANS: LA.	0030	12 01 12 01	0 56 10.5 0 56 18			0 00	28 30 28	845302 845302
36056 MILWAUKEE+ WISC. 11495 OLIFANTSFNTN+BN+S.A	0074	12 01	0 57 51.6 1 39 04.68	2 16 5 25 48	1 3	?		641043 434013
36057 SAN JOSE + CAL +	8573	12 01	2 50 13.7	18 03 37	51 2	•		845002 845002
36058 SAN JOSE+ CAL+	82/3	12 01	2 11 34.3	. 23 37 36	79 5	,		843002

36049 DENVER. COLO.	8592	0ATE 12 01	TIME 2 54 07.5	He A.	DECLO	AZAMUIH 312 30	31 16	•	INUEX 8453 <b>0</b> 3
36059 CHINA LAKE. CAL. 11493 ORGAN PASSIBN. N.M. 36060 FORT WORTH. TEX.	0098 9001 0139	12 01 12 01 12 01	2 54 39.1 2 55 50.8 2 56 13	0 17 33 06 18 37 30	8 <b>2</b> 18 65 21	6 40 4	5 38 21		64130 <b>3</b> 434013 845013
36061 PUEBLA: MEX. 36053 SAN ANTONIO: TEX.	0900	12 01 12 01	2 56 16.4	16 46 10	11 33 12 08				845043 845042
56128 MADISON-Po WISC. 36062 PUEBLA: MEX. 36350 DENVER: COLO.	0900	12 01 12 01 12 31	2 56 38.0 2 56 39.1 2 56 57.3	20 38 18 16 1 <b>5 9</b> 6	73 20	306 12	24 21	Ou	631007 64 <b>9</b> 043 645303
11506 VILLA DOLOPES'BN.ARG	9011	12 01	5, 32 23.8 7 34 00.8		11 52	,,,			434013
36301 KANAYA MACHA+ JAPAN 11499 TOKYO!UN+ JAPAN		12 01	8 39 45	17 36 0 • 17 <b>3</b> 3 24	52 54 28				845002 434013
55459 VLADISVOSTOR, USSR 36300 KONKO, JAPAN	1013	12 01	8 41 04 4 8 42 07 8		41 00				845009 845002
36296 MITAKA: JAPAN 36299 MUSASHINO: JAPAN	0229	12 01 12 01	8 42 <b>3</b> 7.5 8 43 27.2			350 12	43 24		845303 845302
38303 MIZUSARA+ JAPAN 36297 MITAKA+ JAPAN	0267	12 01	8 44 1		,	11 00	40 40		042302 042303
55460 VLADISTUR: USSR 36302 KAGOSHIMA: JAPAN	0218	15 01	8 45 13.6 8 47 13.	5 12 30	40 30 45 48				845007 845002
35298 MITAKA: JAPAN 55497 TCHITA: USSR	1064	12 01	8 49 26.6 lu 38 25.	20 02 30	4 30	51 24	17 12		845302
36304 MITARA: JAPAN 36311 KAGOSHIMA: JAPAN	0229	12 01	10 43 30 65	16 32	77	3,4 4.	. 3 00		845303 845002
55498 TCHITA+ USSR 36308 SAPPORO+ JAPAN	1364	12 01	10 45 01.6	23 41	2. 24				840009 840002
36305 MITAKA: JAPAN 36309 YATSUSHIRO: JAPAN	0229	12 01	10 45 44 6			333 00	34 44		845303 845304
36312 HIGASHIMATSUYAMA.JAP 11515 TOFYO'BN. JAPAN	9005	12 01	10 46 37.0	o Ju	70 4.				434UL2
36307 KASHIBABAPA - JAPAN 36310 MIYAZAKI - JAPAN	0230	12 01	10 47 00 4		67 14 48				<b>0 →</b> ⊃ ∪ ∪ ∠
36306 MITAKA+ JAPAN 11500 NAINI TAL'BN+ INDIA	+306	12 31	12 43 07.	13 5 52 00	12 50	347 30	37 -0		454019
11501 NAINI TAL'EN, INDIA 11502 NAINI TAL'EN, INDIA 11503 NAINI TAL'EN, INDIA	9306	12 01	12 40 37.	3 5 4. 10	58 47				434013 61045
11504 NAINI TAL'EN, INDIA 55235 BESANCON, FR.	9006 9006 2727	12 31 12 31 12 0.	14 40 4.0	37 04 00	7 7		. 0 . 4		434013 434013 401450
55566 SPETSAL UF. 55567 SPETSAL UF.	8378	12 3.	16 .5 5	•		73	10 8 37	4 4	0343U9 7 UC#C0
55558 5PETSAI • GR. 56053 POTSDAM • GER •	807B	14 01	. 0 . 7 . 4 .	•	- 1 - 1	97 50 6			534307
55069 SPETSAL - UK.	8378	12 0. 12 J.	10 .8	•	- 7 57	د ده د ده			034047 706460 706460
55571 SPETSAL. JP.	8078	12 01	16 30 12.	i.		115 24 4			834337
55436 UJGOROD. USSR 55572 SPETSAL. GR.	1055 8078	12 01	16 30 35.		11 30	1.8 15 (	00 37 24		67+507A A00€±0
56154 POTSDAM, GER. 55573 SPETSAL, GR.	2729 8078	12 01	16 32 34.		.0 .4	1 35	بو يابا يا		634547
55437 UJGORCU + USSR 55574 SPETSAI + UR + 55438 UJGOROU + USSR	1055 8078 1055	12 01	16 33 p. • 16 33 25 • 16 33 20 •		.0	.67 00 .		3 5 6	845007 84507 845007
55575 SPETSAT: GH. 55439 UJGORQU: USSR	807a	12 Ji 12 Ji 12 J.	10 34		33 5	103 45 .	30 40 -	~ 0	4007 4007 400c#8
56120 SONNEBERS - SER. 55576 SPETSAL - SP.	2730	12 31	16 35 11.			20. 45			034047
55461 LVOV+ USSR 56055 POTSOAM+ GER+	1031	12 31	16 35 57 •		3,1 - 4 27 - 19		•0 •		045UU7 045UU7
55577 SPETSAL GR. 55578 SPETSAL GR.	8078 8078	12 01	16 36 34 .	1		15 47			834307 834307
55236 BESANCON, FR. 55462 LVQV, USSP	2727	1. 01	16 37 11.	1-	.5 74	70 11	10 1		83-309
55579 SPETSAI. GR. 55237 BESANCON. FF.	8078 2727	12 31	.6 38 J.	4	23 74	76 34			7000 7000 7000 7000 7000
55580 SPETSAL GR. 55509 UJGOROU - USSR	6078	12 01	16 37 05	4	.3 00	بو د د			40000 400000
11/0/ 2011/01/14 4 1/70	0.001	12 01	17 22 00	19 8 41 24	- 4 40	3			434013
55238 BESANCON. FR. 55239 BESANCON. FR.	2727	1. 01	18 29 US	w3		205 28	. ب <b>ه</b> . د د د		834307 834309
55240 HESANCON, FR.	2727	12.01	18 30 30 18 30 37 18 30 37 18 30 37 18 30 37 18 30 37 18 18 18 18 18 18 18 18 18 18 18 18 18	J4		65 51 118 16	36 i	I	834309 834309
55581 SPETSAI GP. 55241 BESANCON, FR. 11497 SAN FERNANOO'BN. SP. 55582 SPETSAI GP.	2727	12 01	18 31 13		. 83	.66 00	43 4		834309 434013
55582 SPETSAL. GR. 55242 BESANCON. FF.	8078 2727	12 01	18 31 24				48 12 i		834309 834309
55583 SPETSAL. GR. 55243 BESANCON, FR.	8078	12 01	18 32 23 18 30 66			123 59	.4 10 4	ے د د	034309 40040
55357 POTSDAM. GER. 55584 SPETSAL. GR.	2729 8078	12 31	18 33 07 18 33 23	1 41 40 30	1 + 4	1	00 21 4		034049
55244 BESANCON+ FR. 55585 SPETSAL - GR.	2727 8078	12 01	18 34 10 18 34 46	71		267 47		> .	834309 834309
55245 BESANCON. FP. 55586 SPETSAL. GR.	2727 8078	12 01 12 01	18 35 07 18 35 17	44		85 46 140 31	71 4	7	834309 834309
55246 BESANCON FR. 55587 SPETSAL GR.	2727 8078	15 01	18 36 07 18 36 12	19		86 00		2 2 48	834309
55242 BESANCON. FR. 55583 SPETSAL. GR. 55243 BESANCON. FR. 55258 SPETSAL. GP. 55524 BESANCON. FR. 55585 SPETSAL. GP. 55245 BESANCON. FP. 55585 SPETSAL. GR. 55266 BESANCON. FR. 55267 SPETSAL. GR. 55247 BESANCON. FR. 55248 BESANCON. FR. 55248 BESANCON. FR.	2729	12 01	18 36 55 20 32 34	0 1120	25 3				834049
55248 BESANCON. FR.	2727	12 01	20 34 07			277 20			834304
36063 MILWAUKEE, WISC. 36065 CHICAGO, ILL. 36064 MILWAUKEE, WISC.	0074	12 02 12 02	0 19 21 0 21 44			284 00	ن دد دن	U JU	641043 845302
36064 MILWAUKEE, WISC.	0074	12 02	0 22 22	. 3 18 53	36 4				641043

OBS NO STATION	STA NO	DATE	TIME	R. A.	DECL.	AZ 1MUTH	AL I I TU	DE HANGE	INDEX
36135 TERRE HAUTE 1NO.	8127	12 02	0 23 47.6		••••	316 30	27 30		84530Z
	0031	12 02 12 02	0 25 19 0 25 50•0			0	52 30		445303
36066 CHICAGO. BLL. 36072 SAN ANTONIO, TEX.	003 <b>6</b> 0 <b>656</b>	12 02 12 02	0 27 27.5	5 30 08	55 09	41 00 00	53 18	00	845302 865013
36071 ROCHESTER. N.Y.	8564	12 02	0 27 41.4	23 10 12	63 55	244 . 2			845013
36688 STATE COLLEGE. PA. 36067 CHICAGO. ILL.	0 0 2 0	12 02 12 02	0 27 48.4			43 00 00	56 30		845302 845302
11509 OLIFANTSFNTN'BN+S+AF 36374 MILWAUKEE+ WISC+	9002	12 02 12 02	1 09 58.73	6 06 12 15 0 <b>8</b>	- 6 18 62 1 <b>2</b>				434013 641043
36375 CHINA LAKE. CAL.	8588	12 02	2 22 42.2	.,	•• ••	352 36 36			845303
36068 CHICAGO: ILL. 36078 N. CANIUN: OHIO	0020 8572	12 02 12 02	2 23 03 2 24 31.9	19 18 30	30 12	293 00 00	15 00	00	84530 <b>2</b> 84504 <b>2</b>
36569 CHICAGO. ILL.	0020	12 02	2 25 10			297 00 00	28 00	00	845302
36073 SAN ANTONIO - TEX. 36076 FORT WORTH - TEX.	0096	12 02 12 02	2 26 02.0 2 27 07.2	17 05 52 18 43 18	75 12 83 03				845013
56129 MADISON-P+ WISC. 36077 N. CANTON+ OHIO	5 0 7 8 8 5 7 2	12 02 12 02	2 27 16.0 2 27 22.4	21 22 30 20 17 30	51 00 44 12				637007
11517 VILLA COLORES BN. ARG	9011	12 02	5 03 10.29	9 18 48	11 51				434013
- 11518 VILLA OOLORES'BN+ARG - 36313 MITAKA+ JAPAN	9011	12 02 12 02	7 03 17.49 8 10 03.8	7 12 18	2 23	313 00	41 30	)	434013 845303
36316 MUSASHINO: JAPAN	0233	12 02	8 10 15.8			315	42		845502
36314 MITAKA. JAPAN 36315 MITAKA. JAPAN	0229	12 02 12 02	8 12 44.1			5 06 32 18	43 42 32 36		845303
36317 MIZUSAWA. JAPAN 36321 KANAYA MACHI. JAPAN	0267	12 02 12 02	8 17 00 10 11 55	17 32	52	53 18	28 00	)	845302
36318 MITAKA. JAPAN	0229	12 02	10 13 13.3	17 32	12	319 24	26 30	)	845303
36322 SAPPORO, JAPAN 55440 BLAGOVESTCHENSKIUSSE	0245	12 02 12 02	10 13 58 10 14 24.2	19 44 0 01 30	45 34 18				845002
36324 KAGOSHIMA+ JAPAN	0218	12 02	10 15 28.5	7 20	81 18				845002
36320 KASHIWABARA: JAPAN 36326 MIZUSAWA: JAPAN	0222	12 02 12 02	10 15 53	1 00	88	359 42	52 24	,	845002
36323 YATSUSHIRO. JAPAN	0272	12 02	10 17 10		00.10	26 18	27 00		845302
36325 HIGASHIMATSUYAMA.JAF 55441 BLAGOVESTCHENSK.USSF		12 02 12 02	10 17 19.4	3 <b>4</b> 9 3 01 00	80 1 <b>8</b> 25 00				845002 845009
36319 KONKO+ JAPAN 55442 ABAKAN+ USSR	0224	12 02	12 13 00.3	5 42 30	66 00 18 14				845004 845009
36328 KAGOSHIMA+ JAPAN	0218	12 02	12 14 29	18 54	53 00				845004
36327 KANAYA MACHI. JAPAN 11516 NAINI TAL'BN. INDIA	9006	12 02 12 02	12 14 54	19 23 d 22 30	83 54				84500Z 434013
55588 SPETSAL. GR.	8078	12 02	15 56 12.9		,,,,,	93 13 4			834309
55589 SPETSAL. GR. 55444 TCHERNOVITSY. USSR	8078 1062	12 02	15 57 14.9 15 58 06.7	18 . • 00	0 12	97 46 4	8 20 22	48	834309
55590 SPETSAL. GP.	8078	12 02	15 56 19.9			104 19 1			834309
55591 SPETSAL+ GR. 55592 SPETSAL+ GR.	8078 8078	12 02	15 59 29.9 16 00 03.9			114 53 2 122 03 0			834309
55450 UUGOROO: USSR 56059 POTSDAM: GER:	1055 2729	12 02 12 02	16 00 04•2 16 00 53•2	19 44 00	10 24 5 23				845009
55456 ODESSA+ USSR	1036	12 02	16 01 02.6	18 56 30	13 42				845009
55451 UJGOROD: JSSR 55593 SPETSAL: GR.	1055	12 02 12 02	16 01 07.3 16 01 27.9	20 35 30	18 00	147 23 2	4 48 1	y 48	845009 834309
56-60 POTSOAM. GER.	2729	12 02	16 02 03.4	23 10 00	10 32				834049
55457 ODESSA+ USSR 55452 UJGOROD+ USSR	1036 1055	12 02 12 02	16 02 03•8 16 02 12•7	19 39 30	27 16 25 12				845009
55446 LYCV+ USSR 55594 SPETSA1+ GR+	1031	12 02 12 02	16 02 27.9 16 02 31.9	21 38 30	21 54	172 01 1			845009 834309
55595 SPETSAL. GP.	8078	12 02	16 03 02.9			183 17 2			834309
55453 UJGOKÕD: JSUR 55447 LVOV: USSR	1055	12 02	16 03 37.4	23 31 00 23 28 30	31 42 28 12				845009
55596 SPETSAL+ GR+	8078	12 02	16 04 17.9			204 32 2	4 41 4	J 48	834309
55454 UUGOROU: USSR 56861 POTSOAM: GER:	1 055 2 729	12 02 12 02	16 04 19.3	0 26 30	32 24 15 36				845009
55597 SPETSAL UR.	8078		16 05 12.9	0.04.18		214 46 4	8 35 5	8 +8	834309
55448 KIEV+ USSR 55598 SPETSAI+ GR+	1023 8078	12 02 12 02	16 05 33•3 16 06 02•9	0 04 18	31 50	221.27 3	6 30 5	8 48	845009
55455 UJGOROD. USSR 55443 NIKOLAEV. USSR	1055	12 02 12 02	16 06 07.5 16 06 41.5	2 12 00	29 06 43 00				845009
55458 ODESSA+ USSR	103€	12 02	16 07 03.1	2 15 48	41 18	220 03	3	0.00	845009
55599 SPETSAL+ GR. \$5600 SPETSAL+ GR.	8078 8078	12 02	16 07 12.9 16 08 11.9			228 07 1 232 10 4			834309
55445 TCHERNOVITSY, USSR 55601 SPETSAL, GR.	10 <b>6</b> 2 8078	12 02	16 09 08.9	3 48 24	23 12	234 48 3			845009
55449 K1EV+ USSR	1023	12 52	16 09 29.1	2 50 00	21 12		6 15 2		#45009
36668 BOCHUM+ GÉR+ 11512 SAN FERNANOO'BN+ SP	8599 9004		17 59 33•1 17 59 35•00	19 44 20 19 12 54	9 42 73 18				845042 434013
55602 SPETSAL+ GR.	5078	12 02	18 01 51.9		. , 10	125 16 4			834309
55603 SPETSAL+ GR. 36569 BOCHUM+ GER+	8078 8599		18 02 46.9 18 03 16.6	23 01 18	27 30	130 13 1	2 24 0	1 14	834309
55604 SPETSAL. GP.	6078	12 02	18 03 22.9			134 09 3		5 12	834309
55605 SPETSAI+ GR. 36670 BOCHUM+ GER+	8078 8599	12 02	18 04 01.9 18 04 09.2	0 05 48	28 48	139 15 0	31 1	6 12	845042
55606 SPETSAL. GR. 36671 BOCHUM. GER.	8078	12 02	18 05 39.9 18 06 14.0	2 10 00	24 28	157 01 4	8 40 2	8 48	834309
55607 SPETSAL GR.	8078	12 02	18 06 17.9	. 10 00	0	167 53 2			834309
55608 SPETSAL. GR. 11513 SAN FERNANDO'BN. SP	8078		18 07 11.9 20 03 42.10	20 03 00	77 29	101 23 2	45 5	8 12	434013
36079 MILWAUKEE: WISC.	0074	12 02	23 47 06.8	17 23	4 30				641043
36137 EVANSTON: ILL: 36381 COLUMBUS: OHIO	0149		23 49 57.8 23 50 19.1			264 18 3 285 30 1			845302
35080 MILWAUKEE+ WISC+ 36083 TERRE HAUTE+ IND+	0074 8127	12 02	23 52 16.5	19 07	41 00				641043
36084 DAYTON+ OH10	8557	12 02	23 53 47.1			303 17	46 5	3	845302 845303
36092 COLUMBUS+ OHIO	0051	12 02	23 58 26.6			46 52 3	39 0	0	845303
36086 SACRAMENTO. CAL.	8517	12 03	1 51 04.2			0 00	51 2	2	641304

OBS NO STATEON	STA NO	DATE	TIME	R. A.	DECL.	HTUMI SA	ALTITUDE	RANGE INDEX
36087 CHICAGO, 111. 36088 CHICAGO, 111.	0020		1 53 51			292 297 18 00	14 3C 30	
36389 MIEWAUREE, WISCO	0014	12 03	1 54 24.6	19 30	38 12	277 18 00	30	641043
36090 MILWAUNEE: WISC.	0198	12 03	1 55 34.0	20 12 22 16	46 12			641043
36093 N. CANTON. OHTO	8544	12 03	1 36 . 5.5	19 58 45	45 24			845033
36391 MILWAUREL WISE. 36394 N. CANICH UMIC	8544	12 03 12 03	1 56 47.5	21 26 20 13	54 42 47 43			641043 845042
36095 DAYTON: OHIO 36095 N. CANTON: OHIO	8057	12 03	1 57 25.8	.1 02 04	54 08	318 43	45 45	845303 845013
11519 VILLA DOLORESTONIARG	9011	12 03	6 34 08.73	6 13 06	- 6 08			434013
36331 MIYAZAKI. JAPAN 36330 YATSUSHIRO. JAPAN	0230	12 03 12 03	9 41 36.4	16 26	68 54	0 00	29 18	845002
36332 KAGOSHIMA+ JAPAN	0218	12 03	9 44 11	1 20	81 18			845002
36333 HIGASHIMATSUYAMA.JAP. 36329 MUSASHINO. JAPAN	0210	12 03 12 03	9 45 24.0			0 00	39 30	845303 845302
11521 TURYUNUN, JAPAN 30338 KAGOSHIMA, JAPAN		12 03 12 03	9 45 34.70 11 43 58	. 30 00	86 03			434013
36372 BAGULO CITY. PH.:	U504	12 33	11 44 44	.c .7	57 54	356 28 12	ەد ەد د	845002 845302
36336 YATSUSHIRO: JAPAN 36336 BANAYA MACHI: JAPAN	0.272	12 03	11 44 45	. 7 13	50	330 00	26 36	845302 845002
36334 KASHIMADARA. JAPAN	0222	12 03	11 44 50	. y .10	51			845002
36337 MIYAZALI. JAPAN 554-5 LVOV. USSR		12 03	11 45 30.0	19 02 48	67 00			#45002 #45009
55476 LVOV+ USSA 55494 ODESSA+ USSA	1331	12 33	15 33 26.9	. 2 45 30	23 36			845009
55249 BESANLON, FM.		1. 03	15 35 .8.7	. 36 00	41 36	258 00	1 2 40	845009
55253 BESANCUN+ FH.	. 7. 7	1. 03	17 .5 23.08			258 00	14 44	834309
55252 SESANCON. FR.	. 121	12 05	17 26 08.60			237 56 257 50	18 09 25 1•	834309 834309
55253 BESANCUN. + K. 55254 BESANCUN. FR.	2727	12 03	17 28 .7.84			257 28 256 58	34 25 42 40	834307 834307
55255 BESANCON. FH.	. 727	12 33	: 7 33 37 3			255 23	57 32	834309
55256 BESANCON. FR. 55257 BESANCON. FR.	7.	12 03	17 32 05.74			250 25	73 30 77 22	834309 834309
55258 BESAN, UN. FM.	~ 121	12 03	17 33 03.J.			89 11	71 32	834309
55259 BE ANON. FH.	727	.1 03 12 03	17 34 00.08			85 32 83 55	51 47	8343C9 834309
55271 BEGANLON, FR. 55262 BEGANLON, FR.	- 1.7	. 2 03	17 30 01.57			نو ده	30 05	634309
15263 BE ANCON. FH.		12 US 12 QS	17 37 0.004			279 54	29 44	40cetb 90cetb
55244 BESANCON, FR.		12 03 12 03	19 29 08.55			. 79 38 278 59	16 04	834309
44 4 21 15 25 51	2.127	12 33	. y 3: 30.00			:78 28	28 24	834309 834309
55265 BE ANJUN: FH. 55265 BE ANJUN: FH. 55266 BE SANJUN: FH. 55269 BESANJUN: FH. 55270 BE ANJUN: FR.	27.7	12 03	19 33 .3.92			176 45	39 51	834309 834309
55/69 BESANCON FM.	. 1. 7	12 23	. 7 34 00.34			273 30	60 05	834309
15. 13 BE ANCOMO FR.  15 95 51. FETERODORA FLA.		1. 03	.7 35 .0.24	. 4 46	74 35	251 30	74 15	8 9 9 9 0 9 8 9 9 9 4 4
10 99 CHI AUCH	· · ·		43 43 40.0	44.54	66 10			845444
10. 4 IN INTALL UP. UP. UPA.	2374	1	. 1 . 1 . 1	. 3 . 5 . 6	1.00	347 40	>2 00	849302 637009
351 CHI AUL. ILL. 45. 2 STATE LILLEUG. PA.			. 3 . 4 47.0	51	00 30			845042
fo e PUCHELIEV	505.		. 1 .5 34.0	23 06 36	6- 51	3 4 8 1 .	> <b>4</b> 18	64>302 845013
16. 3 STATE DELETE PAR 15 76 1. ANTURE HID		1. 0;	.3 .0 01.0	5 40 15	58 35	44 18	44 12	845332
16. 1 H1 Auc+ 1t.+	2.3	1. 03	. 3 . 7 3	7	40 00			842042
10138 (A) -AME 10. A .	85.7	14 00	1 19 44.0			J JU	53 22	641304
15: 8 4411" (*** L. CA	3266	14 04				346 44 24	30 • • 36	845303
35 #MITTINEO. A	8966	12 34	1 .1 46.			10 15 00		60001000 600000
35 DAYTUMA UMI 35. 1 [19 [1884]], UMIU	±95° 3350	10 4	1 .7 04.7			394 U4 345 46	23 18	606648 206648
36 97 N. CANTUNE (MI)	0.084		. 27 49	5	63 38			845012
15:12 DAYTIN: UHI 35:39 TACRAM, NTO A.:	8557 8517	12 04 12 04	18 01.6	.0 06 18	72 34	11 30	58 40	845303 641013
16.4 A HAMENTO, A 16. 6 14 11 MAT	-51.	4	3 23 5. • 3			0 00	44 44	641304
15:115 •H1" 11:010. A.L.	005. F561	16 54	3 24 47.8			13 00 00	37 38 .4	84530∠ 845303
5141 A RAMETIO. A	r 51 7	1. 04	5 54 50.5	5 48 48	58 2. -42 1.			#3#UZ3
15142 BR( ) 1 ) ( + E4 ).	5650		1 05 0.03		21 18			845044
55418 M. AU. VESTEMIA / 4 354 36119 TATO 20140 - JAPAN		1. 04	7 10 26 • 1 7 12 05	41 44 30	24 54	0 00	24 00	845009 845302
16:42 . AGO SHIMA. DAVAS.	15	1. 04	4 12 44.5	7 15	81 30			845002
5541 +0M 4	1325	12 34	9 14 37.4	0 25 06 . 08 00	58 24 25 48			845009 845009
554 12 K TM JMOLJER 7538 554 73 KOM JMOLJER 7538	1025	12 54	1 15 0 • • 8	2 99 18	58 24			845009
36173 BAGU:0 (11Y+ PH-1).	0504	12 04	9 18 06.1 11 12 40	2 80 24	32.18	352 50 24	3 54	845009 845302
35342 FAGGSHIMA - JAPAN 35441 TAT - JHLPU - JAPAN		12 04	11 14 c <b>5</b> 11 14 33	18 .4	72 36	340 00	29 48	845002
351.3 MS1NocHU CITY+IHIHAN	3505	12 04	11 14 48	9 37	80 24			#45302 845042
36374 BAGUTO CITY PH.15. 115.2 MAINI TACTON INSTA		12 04	11 14 52	. 4 34 00	71 32	5 40 48	5 47 24	. 845302 434013
11523 NAINI TALIBNI INDIA	1006	12 04	13 07 45.19	1 4 45 36	78 08			434013
555 5 IRRUTSE USSR 11524 NAINI TALTEN INDIA		12 04 12 04	13 <b>0</b> 9 31•2 13 10 35•15	20 49 6 42 42	16 12 72 44			845009 43401 <b>3</b>
55506 TRKUTS++ USSH 55503 EREVAN+ USSH	:079	12 04	13 13 16.0	0 11	21 06			845009
55501 KRASNOLAR+ USSR		12 04 12 04	15 06 37.3 15 07 08.2	3 11 12 3 04	65 36 39 06			845009 845009
55504 EREVAN+ USSR 55502 KRASNODAH+ USSR	1018	12 04 12 04	15 07 28.6 15 08 21.3	3 52 06 3 40	56 48			845009
TTTOL SORUMONET USUR	1021	11 04	12 00 51.3	> <b>→</b> 0	31 06			845009

OBS NO STATION	STA NO		TIME	R. A.		AZ IMUTH	AL TITUDE	RANGE INDEX 434013
11510 WOOMERA'BN. AUSTR. 55609 SPETSAL. GR.	9003	12 04	15 48 30.31 16 56 23.1	8 38 12	3 10	110 40 48	6 04 48	834309
55610 SPETSAL. GR.	8078	12 04	16 57 23.1			113 54 00		834309 834309
	8078 8078	12 04 12 04	16 58 07.1 16 59 24.1			122 57 36		834309
55613 SPETSAL. GR.	8078	12 04	17 00 12.1			128 02 24		834309
55614 SPETSAL GR. 55615 SPETSAL GR.	8078 8078	12 04 12 04	17 01 00 • 1 17 02 20 • 1			134 19 48		
55616 SPETSAL GR.	8078	12 04	17 03 07.1			159 35 24		#34309
55499 LVOV+ USSR 55617 SPETSAI+ GR+	8076	12 04	17 03 32.6 17 04 49.0	22 12 00	34 36	188 13 48	42 34 12	845009 834309
55618 SPETSAL GR.	8078	12 04	17 05 42.1			202 35 24		
55500 LVOV+ USSR	1031	12 04	17 05 59.5	1 17 00	32 00	212 20 24		845009 834309
55619 SPETSAL UR. 55620 SPETSAL GR.	8078	12 04	17 G6 29•1 17 G7 17•1			213 29 24		
55621 SPETSAL - UR.	6078	12 04	17 08 00.1			229 13 48	31 33 36	
36114 WOOMERA. AUSTR. 36115 WOOMERA. AUSTR.	0603	12 04	17 49 51.7 17 52 50.3			289 54 183 00	65 06 79 30	845302 845302
11511 WOOMERA BA AUSTR.	9003	14 04	17 53 53.58	0 43 30	-47 39			434023
36116 WOOMERA. AUSTR. 11514 SAN FERNANDO'BN. SP.	0003	12 04 12 04	12 57 41.8	1 17 00	85 17	136 00	40 12	845302 434013
					0,5			
36117 DENVER: COLO: 36118 DENVER: COLO:	8592 8592	12 05 12 05	0 48 20•4 0 51 57•0			321 30 357 0°	45 30 51 06	845303 845303
36119 N. CANTON: OHIO	8559	12 05	0 52 44.9	18 23	38 31			845042
36121 CHINA LAKE, CAL. 36120 N. CANTON, UHIO	8588	12 05	2 53 48.0 2 55 46.5	20 38 10	30 15	7 51 00	0 40 04 12	845303 845032
11526 VILLA DOLORES'EN ARG		12 05 12 05	5 30 33.20	7 52 42	4 35			434013
11527 VILLA BOLORES BN. ARG		12 05			-23 45			434023
11529 VILLA DOLORES!BN.ARG 55512 BLAGOVESTCHENSK-USS9		12 05 12 05	7 42 49.94 8 38 02.4	13 36 00 20 02 00	-54 55 15 30			434023 845009
55513 BLAGOVESTCHENSKIUSSR		12 05	. 8 41 22.2	0 0 00	28 36			845009
36343 DITA: JAPAN	0 239	12 05	8 45 37	5 08	47	4.2	7	845002
36344 YATSUSHIRO: JAPAN 55511 KOMSOMOLSK: USSR	0 2 7 2	12 05 13 05	8 47 45 8 48 06.4	3 41 24	13 18	52 30	7 54	845302 845009
36345 MIYAZAKI: JAPAN 36122 TAIPEI: TAIWAN	0230	12 05	8 48 13.2	> 26	35 42			845002
36122 TAIPEL+ TAIMAN 36375 BAGUIO CITY+ PH+IS+			10 41 21.7	14 48	7 00	0 07 4	8 4 10 48	845042 845304
55510 TCHITA+ USSA	1064	12 05	10 +3 20 - 3	1 52 06	20 42	3 5 7 4		845009
36376 BAGUIO CITY+ PH-15-	3504	12 05	10 44 02.5			10 15 3		
36347 YATSUSHIRO: JAPAN 36346 KANAYA MACHI: JAPAN	0272	12 05 12 05	10 44 40	23 45	8.3	0 00	33 18	845304
36377 BAGUIO CITY. PH.IS.	350+	13 05	10 45 40.0			19 -1 2	4 4 46 1.	
36348 MIYAZAKI - JAPAN	0230	12 05	10 45 51.3	5 20	79 00			. 845002
30349 MIYAZARI, JAPAN 30349 MIYAZARI, JAPAN 55507 SAMARKAND, USSR 55664 EREVAN, USSK 55405 EREVAN, USSK 55508 SAMARKANU, USSF 1120 WOWERATHN, AUSTR, 55070 COPTOET, UD.	1043	12 05 12 05	12 43 23.5	19 50 00 3 45 18	42 06 32 00			845002
55464 EREVAN. USSR	1018	12 05	14 34 19.2	1 32 54	72 42			845009
55465 EREVANA GOOM	1016	12 05 12 05	14 34 47.9	17 43 46	55 00			845009
11520 WOUMERATON. AUSTR.	9 303	12 05	15 19 00.74	9 16 06				434013
JULIE DE LIDATE OFF	0000	12 97	.6 26 00.6	1 m Ev 19	2 30	111 55 4	8 10 31 4	
55710 POTSOAM 55623 SPETSAL. GP.	2 729 8 0 7 8	12 05	16 27 54.6	10 54 18	2 30	121 07 4	8 .9 34 4	834049 8. 834309
55911 POTSDAM	2729	12 05		19 51 42	9 27			#34049
36123 BERCIN+ SER. 55624 SPETS≜1+ GR.	070C	12 05	16 28 13.2 16 28 35.6			227 06 125 41 2	39 00 4 23 16 1.	#45303 2 #34309
55625 SPETSAL+ GR.	8078	12 05	16 29 18.6			131 30 3	6 27 20 2	834309
55626 SPETSAL GR. 55912 POTSDAM	8078 2729	12 05 12 05	16 30 02.6	22 02 00	19 52	138 51 0	0 31 34 1	2 #34309 #34049
		12 05	6 30 19.0	18 40 30	38 18			845009
36124 BERLIN. GER.	0 700 8 0 7 8	12 05	16 31 16.4			159 36	58 12	845303
55913 POTSDAM	2/29	12 05	16 31 42•1 16 32 26•2	0 49 48	21 28	101 49 4	0 24 73 0	U #34309 #34049
	8 C 7 B	12 05	16 32 29.1			175 19 1		8 834309
55528 SPETSAI. GR. 55629 SPETSAI. GR. 36125 BEPLIN. GER.	8078 8078 0730	12 05 12 05	16 33 08•6 16 33 50•6			186 10 1	.2 41 22 4 33 42	834309 845303
55914 POTSDAM	2729	12 05	16 34 12.3	1 56 18	18 24			834049
55630 SPETSAI. GR. 55631 SPETSAI. GR.	2 729 8 0 7 8 6 0 7 9	12 15 1. J5	16 34 52.6 16 35 47.6			212 49 4	8 36 24 0 4 32 17 2	
55463 ODESSA+ USSR	1036	12 05	16 36 04 • 2	4 00 00	-2 06		JE 11 Z	845009
55632 SPETSAL GR.	8076	12 05	16 36 30.6			228 43 4	8 28 56 2	
55466 SAMAREAND: USGR 55633 SPETSAL: GR:	1043 807H	12 05 12 05	16 36 56.5 16 37 14.6	10 00 54	33 42		0 25 34 1	845009 4 834309
55467 SAMARKAND+ USSF	1043	12 05	16 38 02.9	20 32 00	36 24			845009
11580 WOOMERATEN. AUSTR. 55915 POTSDAM		12 05 12 05	17 20 25.18. 18 28 41.9	7 25 12 19 32 18				434023 834049
55634 SPETSAL. GR.	8076	12 05	18 29 03.7	32 18	12 08	122 15 3		834309
36126 BERLIN. GER.	0700		18 29 41 4	20 31 11		258 42	28 06	845303
55916 POTSOAM 55635 SPETSAI+ GR+	2729 8078		18 30 19.4 18 30 47.7	20 25 15	17 02		12 14 38 2	834049 4 834309
55636 SPETSAL+ GR.	8078	12 05	18 31 26.7			127 15 3	6 17 56 2	4 834309
55917 POTSDAM 36672 BOCHUM. GER.	2729	12 05 12 05	18 32 07.9 18 32 11.3	21 51 18 22 41 46	21 02 26 25			834049 845042
55637 SPETSAL GR.		12 05	18 32 15.2	1 40	4. 45	129 43 4	8 22 43 4	
36673 BOCHUM • GER •	8599	12 05	18 32 26.9	23 01 16	27 00			645042
55638 SPETSAL. GR. 36127 BERLIN. GER.		12 05	18 33 36.7			206 54	48 .31 42 3 56 30	6 #34309 #45303
55918 POTSOAM	2729	12 05	18 34 13.2	23 59 36	20 30	)		834049
55639 SPETSAL+ GR.		12 05	18 34 17.2				12 36 58 4	
55640 SPETSAI+ GR+ 36128 BERLIN+ GER+		12 05	18 35 02.7 18 35 19.1			167 12	48 43 16 1 54 <b>0</b> 6	.2 834609 - 845303
36674 BOCHUM. GER.	8599	12 05	18 35 40.0	2 10	18			845042
55919 POTSDAM 36143 FT. BELVOIR. VA.	2729	12 05	18 35 40.3 22 21 14.8	1 22 36	16 00	330 00	46 48	834049 845302
36144 FT. BELVOIR. VA.	0071	12 05	22 25 51.0	4		46 54	30 06	84530 <b>2</b>
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OBS NO STATION 36145 FT. BELVOIR. VA. 36689 STATE COLLEGE. PA. 11530 ORGAN PASSIEN. N.M.	STA NO DATE 0077 12 06 18603 12 06 9001 12 06	TIME 0 19 52.3 0 27 46.6 2 24 01.60	R. A. 21 45 00	0ECL.	AZIMUTM 299 12 32 18	AL111006 14 40 62 48	RANGE INDEA 845302 845202 434013
36129 SAN JOSE: CAL. 36146 SACRAMENTO: CAL. 36147 SACRAMENTO: CAL. 11331 VILLA DOLORES-BN.ARG 11532 VILLA DOLORES-BN.ARG	8573 12 06 8517 12 06 8517 12 06 9011 12 06 9011 12 06	2 25 22.9 4 21 36.5 4 23 13.1 5 02 16.56 7 05 18.80	5 03 33 19 57 06 21 39 18 9 40 42 8 12 48	40 40 49 44 58 04 = 8 40 -48 15			#45002° 641013 64101 <b>3</b> 434013 434023
11725 AREQUIPA-BN. PERU 11533 VILLA DOLORES!BN.ARG 35350 HIGASHIMATSUYAMA.JAP 11537 TORYO!BN. JAPAN	9007 12 06 9011 12 06 0210 12 06 9005 12 06	7 06 22.98 8 09 35.96 8 10 48.8 8 10 53.40	11 58 24 12 09 48	-67 58 -53 18 88 37	0 00	37 18	434023 434023 845303 434013
55474 TCHITA: USSR 35353 KANAYA MACHI: JAPAN 36352 YOKKAICHI: JAPAN 36378 BAGUIO CITY: PH.IS.	1064 12 06 0220 12 06 0258 12 06 0504 12 06	10 06 35.0 10 10 02 10 10 36 10 11 17.5	20 02 00 17 25 17 •5	16 00 53 54	4 15 00	ن 0 <b>ه د د</b>	845009 845002 845002 645302
55475 TCHITA: USSR 35354 SAPPORC: JAPAN 46356 TATSUSHIRO: JAPAN 36358 RAGCSHIMA: JAPAN	1064 12 06 0245 12 06 0272 12 06 0271 12 06	10 12 04.4 10 12 25 10 12 47 10 12 47	1 51 06 20 14	19 30 45 24 87 48	0 00	31 30	845009 845004 845004
36379 BAGUIO CITY, PH.IS. 36380 BAGUIO CITY, PH.IS. 11560 TOKYU'BN. JAPAN 36351 RONKO, JAPAN	0504 12 06 0504 12 06 9005 12 06 0224 12 06	10 12 54.7 10 14 25.1 10 15 14.80 10 15 50.2	1 28 30	76 59 62 12	13 46 48 22 21 00		842302
36357 MIYAZAKI, JAPAN 36355 OITA, JAPAN 36381 BAGUIO CITY, PH.IS. 36360 KAGOSHIMA, JAPAN	0230   12 06 0239   12 06 0504   12 06 0216   12 06	10 15 51.6 10 18 01 12 11 49.7 12 12 59	5 41 36 0 30 19 41	61 12 88 50 30	342 07 41	5 <b>4 48 4</b> 9	8 4500 2 8 4500 2 8 4530 2 8 4500 2
36359 MIYAZAKI, JAPAN 55485 SAMARKANU, USSR 55486 SAMARKANU, USSR 55486 SAZAN, USSR 55487 SAMARKANI, USSR	0230 12 06 1043 12 06 1043 12 06 1076 12 06 1043 12 06	12 13 25 65 14 03 25 64 14 03 53 65 14 04 04 63	19 57 00 17 21 36 18 00 24 21 37 00 15 20 18	50 36 49 06 53 44 11 54			#45002 #45009 #45009 #45009
55488 SAMARKAN. USSR 1544 BOMERA'BN. AUSTP. 55641 SPETSAL, GR.	1043 12 06 1376 12 06 1043 12 06 9003 12 06 6078 12 06	14 04 17.4 14 04 46.0 14 05 33.0 14 50 41.43 15 15 16.4	0 17 00 19 41 36 10 02 36	11 48 71 00 -12 02	113 36 0	0 15 10 1.	845009 845009 845009 434013 834309
55642 SPETSAL. GR. 5583 TCHERNOVITSY. USSP 55643 SPETSAL. GR. 55894 TCHERNOVITSY. USSR	8078 12 06 1062 12 06 8078 12 06 1062 12 06	15 58 01.2 15 59 25.3 15 59 46.2 16 00 57.0	20 17	34 48 41 12	133 34 3	6 29 26 24 0 38 46 48	836309 865009 86909 869009
55040 SPETSAI. UR. 55478 KRMM. USSR 55480 KRASNOLAF+ UESR 55045 SPETSAI. UR. 55040 SPETSAI. UR.	d076 12 00 1028 12 00 1027 12 06 8078 12 06 8076 12 06	16 03 3 16 03 35.2 16 03 56.5 16 04 59.2 16.06 12.2	23 45 30 22 34	58  42 55  54	217 05 2	6 4> 57 36	##5009 ##5009
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55469 SAMARKAND+ USSR 55477 ROSTUV+ USBR 36146 ADELAIDE+ AUSTR- 11935 HOOMERA!BN+ AUSTR-	1043 12 06 1041 12 06 8596 12 06 9003 12 06	16 48 47.24	2 42 00	+3 00 31 18 -28 25	3 <b>59</b> 50	69 15	845009 845009 845302 434023
35149 ADELATUE: AUSTR. 36150 ADELATOE: AUSTR. 55336 BESANCON: FR. 55337 BESANCON: FR. 55338 BESANCON: FR.	8596 12 06 8596 12 06 2727 12 06 2727 12 06 2727 12 06	17 00 58.8 17 54 11.61 17 55 04.94			117 45 122 50 274 18 274 25 274 35	34 11 20 12 13 17 07 23 55	845302 845302 - 834309 834309 834309
55339 BESANCON, FR. 55340 BESANCON, FR. 55190 MELDON, FR. 55341 BESANCON, FR.	2727 12 00 2727 12 00 2715 12 00 2727 12 00	17 57 05.79 17 58 13.78 17 58 46.8 17 59 00.85			274 47 274 47 255 42 284 45	31 48 43 46 61 40 53 57	834309 834309 637109 834309
55191 MEUDON+ FR. 55647 SPETSAI+ GR. 55192 MEUDON+ FR. 55342 BESANCON+ FR.	2715 12 00 8078 12 00 2715 12 00 2727 12 00	17 59 53.2 18 00 10.0 18 00 14.49			249 23 128 11 2 200 36 274 60	73 35	637109 834309
55648 SPETSAL, GR. 55648 SPETSAL, GR. 55343 BESANCON, FP. 55650 SPETSAL, GR. 55344 BESANCON, FH.	8078 12 00 8076 12 00 2727 12 00 8076 12 00 2727 12 00	18 01 26.48 18 01 26.48			101 35	8	2 #34309 #34309
55490 LVOV+ USSR 55345 BESANCON+ FR. 55651 SPETSAI+ GR. 55346 BESANGON+ FR.	1031 12 00 2727 12 00 8078 12 00 2727 12 0	18 03 19.2. 18 03 48.2 18 04 11.7	3		97 07	56 21 95 38 2 96 25	#34309
36675 BOCHUM. GEP. 55652 SPETSAI. GR. 55347 BESANCON. FR. 55653 SPETSAI. GR. 55691 LVOV. USSP	8599	18 04 28 2 18 05 07 2 18 05 14 2	1	. 16	97 05 180 49 1	8 50 3 <b>7</b> 4 38 03 12 55 07 1	#34309
11936 WOOMERA'BN, AUSTR. 36151 ADELAIDE, AUSTR. 36676 BOCHUM, GER. 36677 BOCHUM, GER.	9003 12 0 8596 12 0 8599 12 0 8599 12 0	18 49 03.9 18 56 52.4 5 19 57 13.3 5 19 59 22.7	7 4 29 06 19 00 58 20 36 48	-31 28 12 12 14 <b>1</b> 2	174 30	51 45	434023 845302 845042 845042
36578 BOCHUM. GER. 36679 BOCHUM. GER. 36680 BOCHUM. GER. 36152 KANSAS CITY. MO. 56130 MADISON-P. WISC.	8599 12 0 8599 12 0 8599 12 0 0036 12 0 5078 12 0	20 02 52.7 5 20 03 07.7 6 21 46 28.6		13 b:	343	75 04	845042 845042 845042 845303 637087
36153 SACRAMENTO CAL. 36130 SAN JOSE CAL.	8517 12 0 8573 12,0	7 1 48 49.8		•	0 00	45 13	641304 845002

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36131 SAN JOSEO CAL. 36154 PUEBLA. MEX.	8573	12 07 12 07	1 54 41.0	4 54 1 13 11 1	5 33 21			845002 845013
36155 PUEBLA. MEX.	9011	12 07	1 36 27.0	8 43 2 8 24 0	4 79 58			845013 484013
11539 VILLA DOLORES'BN.ARG	9011 9011	12 G7 12 G7	4 34 50.83 4 28 40.07	10 30 0	0 -18 45			434013 434013
11541 VILLA DOLORES BN. ARG	9011	12 07	4 34 12.94 9 41 55	9 81 0		2	26. 64	434023
36365 VATSUSHIRO, JAPAN 36363 YOKKALCHID JAPAN	0277	12 07	9 42 09	22 50		0 00	29 06	845302 845002
11561 TOKYO'BN. JAPAN 36364 SAPPORO, JAPAN	9 <b>005</b> 0 <b>245</b>	12 <b>07</b> 12 <b>07</b>	9 43 12.20 9 43 38	1 24 0 0 46	0 80 42 54 36			434013 84500 <b>2</b>
36361 MITAKA+ JAPAN 36367 KAGOSHIMA+ JAPAN	0229	12 0 <b>7</b> 12 0 <b>7</b>	9 43 56.10 9 45 31	5 37	47 12	342 00	43 00	845392 845002
36362 KONKO, JAPAN 36366 MIYAZARI, JAPAN	0224	12 07 12 07	9 45 39.0	5 10 3 5 35 0				845002 845002
36369 YATSUSHIRO. JAPAN 36382 BAGUIO CITY. PH.IS.	0272	12 07 12 07	11 41 46 11 42 19			230 00	27 06	845302 845302
36371 KAGOSHIMA: JAPAN	0218	12 07	11 42 48	20 04	<b>6</b> 2 00	395 40 12	2 # 40 48	845902
36368 YOKKAICH!: JAPAN 36370 MIYAZAKI: JAPAN	0230	12 0 <b>7</b> 12 <b>07</b>	11 <b>43</b> 02 11 <b>43</b> 10.8	20 32 20 22	61 12			845002 845002
11543 WOOMERA'BN: AUSTR: 55348 BESANCON: FR:	9003 2727	12 07 12 07	16 15 55.89 17 21 01.16	7 14 1	2 -18 31	271 27	5 36	434013 #34309
55349 BESANCON, FR. 55350 BESANCON, FR.	2727	12 07 12 07	17 22 00 13 17 23 14 72			271 +1 271 56 ···	9 59. 10 35	834309
55713 GENEVE + SWITZERLAND	2728	12 07	17 23 24.73			275 17	17 24	834309
55714 GENEVE. SWITZERLAND 55351 BESANCON. FR.	2728	12 07 12 07	17 24 35.75 17 24 38.55			275 53 272 13	21 51 22 28	834309 <b>83</b> 4309
55352 BESANCON: FR. 55715 GENEVE: SWITZERLAND	2727 272d	17 07 12 07	17 25 01•17 17 25 07•36			272 20	29 40 29 <b>3</b> 0	834309 834309
55716 GENEVE: SETTZERLAND 55353 BESANCON: FR.	2728	12 07 12 07	17 .6 10.26 17 26 17.05			. 19 0. .72 >5	40 29 42 19	834209 80 <b>840</b> 8
55193 MEUDON: FR. 55717 GENEVE: SWITZERLAND	2715	12 07	17 26 39			255 1.	50 40	627141
55354 BESANCON: FR.	2728	12 37	17 27 04.15 17 27 07.01			28. 5 <b>6</b> 273 22	51.55 53.20	83430 ×
55194 MEUDON: FR. 55195 MEUDON: FR.	2715 2715	12 07	17 27 10 • 1 17 28 06 • 6			249 34 211 08	<b>5</b> 5 54 80 05 00	037109
55718 GENEVE , SHITZERLAND 55355 BESANCON, FR.	2728 2727	12 37 12 07	17 28 09.68 17 28 12.42			291 24 274 52	69 00 71 28	ქ <b>ე4</b> ეს წ შე <b>4</b> ეს წ
55356 BESANCON: FR.	2727	12 07	17 29 18-61			80 37	88 15	634345
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55359 BESANCON, FR. 55360 BESANCON, FR.	2727 2727	12 07 12 07	17 32 15.36 17 33 11.51			92 49 93 07	44 49 36 16	854509 905458
55361 BESANCON: FR.	2727	12 07	17 34 03.77	4 1.		93 63	.9 55	034339
11542 WOOMERA'BN, AUSTR. 55362 BESANCON, FR.	9003 2727	12 07 12 07	18 21 36.28	0 14	18 -63 08	.04 36	8 36	4340, z
55363 BESANCON, FR. 55196 MEUDON, FR.	2727	12 07	19 15 06+34 14 25 28+4			283 57	9 44 10 45	634309 637109
55197 MEUDON: FR. 55364 BESANCON: FR.	2715 2727	12 07 12 07	19 .6 14.4			276 35	19 50	637.07
55198 MEUOGN. FR.	2715	12 07	19 47 12.3			272 51	16 40	637104
55365 BESANCON. FR. 55366 BESANCON. FF.	2727 2727	12 07 12 07	19 27 32 • 26 19 28 02 • 86			277 26	رد د اه ه	705 + 109 705 + 109
55199 MEUDON, FR. 55200 MEUOON, FR.	2715 2715	12 07 12 07	19 28 11.6 '			268 24 262 20	33 56 40 59	63 <b>71</b> 09
55367 BESANCON, FH. 55201 MEUDON, FR.	2727 2715	12 07	19 29 12.70 19 30 02.1			272 17 250 29	35 16 50 4:	637109
55368 BESANCON, FH. 53202 MEUDON, FR.	2727 2715	12 07 12 07	19 30 02.48 19 31 11.7			266 30 .	42 33 60 03	634309
55369 BESANCON: FP.	2727	12 07	19 31 33.14			226 14 246 10	. 21 2€	637109 83 <b>4</b> 309
55203 MEUOON: FR. 55370 BESANCON: FR.	2715 2727	12 07 12 07	19 32 15.7 19 32 17.43			193 09 227 36	62 07 62 29	6 <b>37</b> 109 63 <b>4</b> 339
55670 BLAGOVESTCHENSK+USSR 36132 TERRE HAUTE+ IND+	1010	12 07 12 07	20 53 43.1	10 47	00 26 1.	32 15	43 45	845005 845333
36156 SACRAMENTO: CAL.		12 08	1 16 49.4			0 00	44 40	641304
36133 TERRE HAUTE: JNO.	8127	12 08	1 24 48.8			0	71 30 .	84930≥
36134 TERRE HAUTE: INO. 36159 SAN JOSE: CAL.	9573	12 08	1 25 08.8 3 19 06.6	23 49	36 77 2.		72 30	645303 200648
36157 SACRAMENTO: CAL: 36160 PORTLAND: ORE:	8517 0076		3 20 54.3 3 22 04.8	1 55	00 32	0 00	59 31	641304 845042
36161 DENVER+ COLO 36158 SACRAMENTO+ CAL.	8592 8517		3 <b>2</b> 3 03.6 5 20 26.5	21 02	24 29 31	291 42	55 48	845303 641013
11544 AREQUIPA'BN, PERU 11548 VILLA DOLORES'BN, ARG	9007	12 08	5 54 50 52 5 59 40 27	5 48 7 17	48 -42 I	2		434023
11549 VILLA DOLORESIBNIARG	9011	12 08	8 10 42.92	14 35		7		4340.3 4340.2
36474 MITAKA: JAPAN 36478 OITA: JAPAN	0229	12 08	9 08 49.5 9 08 59	11 20	87	333 18	34 24	8 <b>453</b> 03 8 <b>450</b> 02
36483 HIGASHIMATSUYAMA.JAP 11562 TOKYO'BN. JAPAN	9005		9 09 15.9 9 <b>0</b> 9 35.20	17 48 17 55	72 0: 12 75 4			845002
36480 YATSUSHIRO: JAPAN 36482 KAGOSHIMA: JAPAN	0272	12 08	9 09 37	6 37	77 4	10 33	26 00	845302
36475 MITAKA: JAPAN	0229	12 08	9 10 40.4	U ,	,, 4	358 30	39 36	845303
36476 MITAKA: JAPAN 36479 DITA: JAPAN	0229	12 08	9 10 45.56 9 11 46	5 10	59	342 00	37 54	845302 84 <b>5</b> 002
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36486 KAGOSHIMA: JAPAN 36484 YATSUSHIRO: JAPAN	0216	12 08	11 10 48.5 11 10 52	19 20	65 0		33 24	845002
36485 MIYAZAKI. JAPAN	0230	12 08	11 12 53.4	22 59	74 0	0	,, 24	845302 845002
36487 MIYAZAKI+ JAPAN 36162 ADELATOE+ AUSTR•	0230 85 <b>96</b>		13 10 08.5 13 48 34	20 30		. 93 40	9 30	84 <b>5002</b> 84 <b>5352</b>
36699 ADELAIDE • AUSTR.	8 \$ 28	12 08	13 49 57.5	10 08	-11 4	7 \	•	845002

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36175 KANSAS CITY MO. 36176 TERRE HAUTE 1ND. 56131 MADISON-P. *15C. 36170 N. CANTON: OHIO 36172 SASPAMENTO: CAL. 36490 YOKKALEH: JAPAN 36492 TAKADA: JAPAN 11563 TOKYO'UN. JAPAN 36488 MITAKA: JAPAN	0229 12 05 0239 12 05 0277 14 07 0218 12 07 0504 14 05 1505 14 05 9003 14 05 0603 17 07 9004 17 07	10 40 29 10 40 40 10 40 50.5 0 4. 50.5 0 4. 50.5 15 10 50.7 15 16 20.0 0 17 59.5 18 16 20.40		7. CO 76 79 .4	30" 4 . 50 . 3 41 :	3 44	24.354 24.353 24.353 24.353 24.354 24.354 24.354 24.350 24
36184 STATE COLLEGE, PA. 36185 CINCINNATI, OHIO 36187 N.CANTON, OHIO 36188 DAYTON, OHIO 36189 N. CANTON, OHIC	5050 12 13 13 15 15 15 15 15 15 15 15 15 15 15 15 15	0 19 -7.3 0 20 58.7 0 21 21 1. 0 22 00.9 0 23 37.7 0 74 25.0 0 11 50 0.0 1 15 59.9 2 16 53.4 1 22 36.8 0 21 46.8 0 21 46.6 1 4 31.8 0 4 19 20.0 4 19 30.0 6 4 18 31.8 6 4 19 30.0 6 54 01.35		27 32 4 4. 5 5 4	31. 10	50 00 00 00 00 00 00 00 00 00 00 00 00 0	845012 845301 845302 845302 847007 845002 845002 845003 845003 845003 845003 845003 845003 845003 845003 845003

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36502 SAPPORO, JAPAN 36503 TAKADA, JAPAN 36513 KAGOSHIMA, JAPAN 36197 TAIPEL, TAIWAN	0245 0250 0218 0502	12 10 12 10 12 10 12 10	10 07 55 10 08 I4.5	1 48 4 20 22 40 6 22	55 39 85 30 89 24			845002 845002 845002 845042
11564 TOKYO'BN, JAPAN 36384 BAGUIO CITY, PH.IS. 36505 MITAKA, JAPAN 36512 SAPPORO, JAPAN	0229	12 10 12 10 12 10 12 10	10 09 10.6 10 09 42.8 10 09 53	21 02 36	62 08 32 55 <b>3</b> 0	22 28 48 339 54	6 49 48 58 12	434013 845302 845303 845002 845042
36198 TAIPEI: TAIWAN 36510 KASHIWABARA, JAPAN 36385 BAGUIO CITY: PH.IS: 36506 MITAKA: JAPAN 36507 MITAKA: JAPAN	0502 0222 0504 0229 0229	12 10 12 10 12 10 12 10 12 10	10 10 01.1 10 10 08 10 10 21.1 10 10 30.63 10 10 50.3	5 52 2 00	65	29 55 48 34 <b>2</b> 00 1 <b>1</b> 18	6 43 14 65 36 67 42	845002
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36387 BAGUIO CITY+ PH-IS- 36514 MIYAZAKI+ JAPAN 11566 NAINI TAL'BN+ INDIA 11567 NAINI TAL'BN+ INDIA	0504 0230 9006 9006	12 10 12 10 12 10 12 10	12 08 00.4 12 09 15.6 14 02 34.39 14 03 49.42	21 10 00 18 21 30 20 16 00	38 18 68 17 77 17	341 27 36	11 28 17	845002 434013 434013
11568 NAINI TAL'BN, INGIA 36199 SYONEY: AUSTR. 36200 SYONEY: AUSTR. 36201 SYDNEY: AUSTR.	9 00 6 0 6 0 2 0 6 0 2 0 6 0 2	12 10 12 10 12 10 12 10	14 06 28.46 14 39 09 14 MI 40.5 14 43 12.5	3 27 12 5 30 30 6 42 7 34	65 45 - 2 12 -17 18 -25 54			434013 845049 845049
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11570 SHIRAZ'BN: 1RAN 55424 SAMARKANO: USSR 36202 SYONEY: AUSTR: 36203 SYONEY: AUSTR:	9 008 1 043 0 6 0 2 0 6 0 2	12 10 12 10 12 10 12 10	16 03 55.30 16 03 59.5 16 43 33 16 48 32.6	2 20 24 22 35 30 5 18 7 17	68 08 24 18 -34 06 -67 42			434013 845009 845049 845049
36204 SYDNEY+ AUSTR. 11558 SAN FERNANOD'BN+ SP. 55671 BLAGOVESTCHENSK+USS/ 55672 BLAGOVESTCHENSK+USS/	1010	12 10 12 10 12 10 12 10	16 52 09.5 19 58 35.90 20 57 27.1 20 58 00.3	12 39 1 31 00 10 11 00 11 17 00	-65 30 44 58 5 48 1 36			845049 434013 845009 845009
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36209 PUEBLA, MEX. 36516 HIGASHIMATSUYAMA.JAI 36515 MITAKA, JAPAN 55427 TCHITA, USSR	0900 0210 0229 1064	12 11 12 11 12 11 12 11	1 49 16.7 7 33 15.4 7 33 43.7 9 29 18.3	10 41 00	88 30 19 24	0 00 7 00	3 4 4 2 3 3 4 8	845013 845303 845303 845009
55425 BLAGOVESTCHENSKIUSS 55426 BLAGOVESTCHENSKIUSS 55428 TCHITA: USSR 36527 KAGOSHIMA: JAPAN		12 11 12 11 12 11 12 11	9 31 59 6 9 33 11 6 9 9 33 30 6 9 34 31	20 20 00 21 43 00 0 41 54 16 53	24 00 25 24 16 24 82 14			84>009 84>009 845009 84>002
36523 KANAYA MACHI, JAPAN 36526 MIYAZAKI, JAPAN 36525 YATSUSHIRO, JAPAN 36528 HIGASHIMATSUYAMA.JA	0230	12 11 12 11 12 11 12 11	9 34 46 9 35 31.9 9 36 38 9 37 31.6	1 00	71 87 30	20 00 0 00	37 42 56 48	- 845002 845002 843302 845303
36517 MITAKA, JAPAN 36524 TAKADA, JAPAN 36518 MITAKA, JAPAN 11565 TOKYO'BN, JAPAN	0229 0250 0229 9005	12 11 12 11 12 11 12 11	9 37 32.2 9 37 48 9 38 19.6 9 38 52.70	1 22	60 54 00	·0 06	57 30	845303 845002 845303 434013
36522 KASHIWABARA, JAPAN 36521 YOKKAICHI, JAPAN 36520 KONKO, JAPAN 36519 MITAKA, JAPAN	0222 0258 0224 0229	12 11 12 11 12 11	9 39 57 9 41 14 9 41 16 0 9 41 16 2	4 00 4 15 4 33 00	39 27 25 00	83 > <b>4</b>	44 .4	845002 845002 845002 845303
36389 BAGUIO CITY, PH.IS. 36533 KANAYA MACHI, JAPAN 36529 MITAKA, JAPAN 36390 BAGUIO CITY, PH.IS.	0504 0220 0229	12 11 12 11 12 11	11 35 33 11 36 38 11 37 03 4 11 37 13 2	20 44	34	345 21 0 286 12	23 42	6 845302 845002 845303
36530 MITAKA. JAPAN 36531 MITAKA. JAPAN 36532 YOKKAICHI. JAPAN 55433 TASHKENT. USSR	0229 0229 0258	12 11 12 11 12 11	11 38 10.0 11 38 42.0 11 38 44	24 12 -	28	354 36 3 279 54 276 00	30 18 33 42	845303 845303 845002
55429 SAMARKANDO USSR 55430 SAMARKANDO USSR 55434 TASHKENTO USSR 55435 TASHKENTO USSR	1043 1043 1052	12 11	13 26 11.5 13 26 15.9 13 27 58.7 13 29 46.0	18 32 00 17 41 18 19 14 00 0 20 00	46 12 52 36 71 48 59 30			845009 845009 845009 845009
11586 NAINI TAL'BN+ INOIA 11587 NAINI TAL'BN+ INOIA 11588 NAINI TAL'BN+ INOIA	9006 9006	12 11 12 11 12 11	13 32 54.57 13 35 51.67	0 50 00 17 39 24 3 16 48 4 35 48	58 00 74 07 75 46 43 44			845009 434013 434013 434013
36205 SYONEY+ AUSTR. 36206 SYONEY+ AUSTR. 36207 SYONEY+ AUSTR. 11553 WOOMERA!BN. AUSTR.	0602 0602 9003	12 11 12 11 12 11 12 11	14 07 46.1 14 09 24.0 14 10 54.5 14 11 35.74	6 13 7 02 7 52 30 9 25 18	- 6 30 -15 42 -23 18 -22 11			845049 845049 845049 434013
36213 TOWNSVILLE. AUSTR. 36214 TOWNSVILLE. AUSTR. 55431 BATUMI: USSR 55432 BATUMI: USSR	8578 1009 1 <b>0</b> 09	12 11 12 11 12 11 12 11	14 11 50.3 14 12 11.5 15 27 46.5 15 28 49.0	0 35 00 2 03 00	54 18 43 30		28 57 27 16	845302 845302 845009 84 <b>9</b> 009
11554 WOOMERA'BN, AUSTR. 55402 MEUOON, FR. 55403 MEUOON, FR. 55404 MEUOON, FR.	2715	12 11 12 11 12 11	16 10 07.76 T7 21 28.00 17 22 10.40 17 23 02.10	6 15 00			69 33 75 41 69 20	434023 537109 637109 637109
55405 MEUOON, FR. 11555 WOOMERA'BN, AUSTR, 11559 SAN FERNANOO'BN, SF	• 9004	12 11 12 11	17 24 18.60 18 16 24.35 19 25 11.90	5 45 00 0 46 06		120 58	52 21	637109 434023 4340%3
36215 SACRAMENTO, CAL.	8517	12 12	1 10 32.3			0 00	44 34	641304

	5TA NO 8588		TIME 1 12 04.6	R. A.	DECL.		ALTITUDE RANGE	845303
	8534	12 12	1 13 51.7	0 30 12	70 42	10 50 00	31 33 36	845042
36888 ALBUQUEROUE . NeM.	8534	12 12	1 14 18.4	1 56 24	64 30			845042
36210 PUEBLA MEX. 36211 RUEBLA MEA.	0900	12 12 12 12	1 16 53.4 1 17 16.0	7 58 00 6 59 90	83 28			845013
36219 NEW ORLEANS. TA.	0031	12 12	1 18 51	0 79 30	61 14	•	49 30	845013 845302
36219 NEW ORLEANS. tag 36216 SACRAMENTO: CAL.	8517	12 12	3 15 07.8			0 00	84 37	641304
36212 PUEBLA MEX.	0900	12 12 12 12	3 17 34•8 5 1 <b>5</b> 1 <b>0•7</b>	20 19 00 21 59 54	54 <b>2</b> 0 11 04			845013 641013
36217 SACRAMENTO. CAL. 36536 YATSUSHIRO. JAPAN	0272	12 12	9 02 20	,, ,,	11 04	0 00	32 48	845302
36535 OITA. JAPAN	0239	12 12	9 02 31	0 00	88			845002
36537 MIYAZAKI. JAPAN 36534 KANAYA MACHI. JAPAN	023 <b>0</b> 3220	12 12	9 03 15.6	4 58 0 44	81 1 <b>2</b> 73			845002
36538 KAGOSHIMA: JAPAN	0218	12 12	9 07 22.5	4 46	37 90			845002
36542 KANAYA MACHI. JAPAN		12 12		20 25	38			845602
2.1	0229	12 12	11 04 32.4	21 06	63.16	269 12	26 42	845303
36544 KAGOSHIMA: JAPAN 36540 MITAKA: JAPAN 36541 MITAKA: JAPAN 36543 YATSUSHIRO: JAPAN 55514 FREVAN: USSR	0218	12 12 12 12	11 04 58 11 06 31.66	21 08	53 18	276 00	41 36	845363
36541 MITAKA. JAPAN	0229	12 12	11 07 59.4			256 30		845302
36543 YATSUSHIRO. JAPAN	0.272	12 12	11 08 08			0 00	84 42	845302
55514 EREVAN. USSR 11577 SHIRAZ BN. IRAN	4008	12 12 12 12	14 55 16.0 14 58 22.75	0 07 24	64 54 71 23			845009 434013
55933 RODEWISCH+ GER.	. 100	12 12		8 48 36	18 54			834009
	0.700	12 12	16 48 53.9			243 36		845301
55406 MEUDON: FR. 55407 MEUDON: FR.	2715	12 42	16 49 39.20			162 22	76 52 70 21	63710 <b>9</b> 637109
	0700	12 12	15 51 05.0			200 42	51 24	845303
55408 MEUDON: FR.	2715	12 12	16 51 11.50			116 04	55 13	637109
		12 12	16 52 11.30			110 13	43 05	637109
55410 MEUDON: FR. 36636 BERLIN: GER.	0.700	12 12	16 53 01.00 16 54 33.6			107 45		637109 845303
55922 POTSDAM	2729 2729 2729 2729 2729 2729	12 1.	16 55 11.0	1 38 12			32 -7 00	834049
55923 POTSDAM	. 729	12 12	16 56 14.6	2 10 18	- 2 33			834049
55923 POTSDAM 55924 POTSDAM 55925 POTSDAM 55926 POTSDAM	1729	12 12	16 57 19.2	2 33 06 2 53 06	- 5 29 - 8 15			834049 834049
55926 POTSDAM	2729	12 12	16 59 34.9	3 09 12	-10 31			834049
11572 WOOMERA'd' AUSTR.	1003	12 12	17 +5 31.+5	6 17 00	-76 30			434023
55927 POTSDAM	4 129	12 14	18 •7 •5•6	.9 29 57	7 51			834049
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55931 POTSDAM 36638 BERLIN: GEP.	2729	12 . 4	18 55 36.8 18 55 53.5	0 15 42	-10 06	194 50	25 18	834049 845303
36639 BEPLIN: GER.	0700	12 .2	18 56 48.6			186 >4	23 12	845303
55932 POTSJAM	2729	14	18 57 30.4	1 10 30	-16 12			234044
36220 DENGER 1011 -	6567	12 13	0 41 14.4			350 36	5 <b>y</b> U6	د ل د د به ه
36222 DENVER+ COLC. 36221 DENVER+ COLC.	8 > 9 2	1. 13	0 43 49.4			63 15 00		842303
36178 TERPE HAUTE: IND.	6127	12 13	0 44 17.4			298	63 30	845303
36224 NEW URLEANS+ LA. 36695 ST. PETERSHURG: FLA.		12 13	0 45 03	1 4 2 10	62.1	0 00	<b>4</b> 3 00	845302
36696 ST. PETERSBURG, FLA.		12 1:	0 49 00 0 49 21	2 52 10 3 36 00	52 45 47 15			845022 845022
1 1 5 7 B OLITE SATISEMENT AND COSE	2.22	1 3 1 3	1 29 18.16	2 57 48	-48 23			434023
36225 SAN JOSE (AL. 36226 SAN JOSE (AL. 36227 SAN JOSE (AL. 36227 SAN JOSE (AL. 36223 JENVER (ULU. 36223 JENVER (ULU. 36223 JENVER (AL. 36229 SAN JOSE (AL. 11579 APEQUIPATION PERU	8573	12 13	2 41 52.1	0 05 55	58 49			845002
36226 SAN JUSEF AL.	6573	12 13	2 4. 09	0 38 06	56 15 42 37			845 <b>0</b> 02 845002
35222 DENVER. COLO.	8542	12 (3	. 43 46.0			262 24	49 40 00	842303
36223 DENVER. COLU.	509.	12 .3	2 45 35 1			219 00	60 70	8 -> 30 3
36228 SAN JUSE CAL.	4573	14 . 3	4 40 28.9 4 43 59.2	22 39 21	20 45 10 56			845002
11579 APEQUIPAREN. PERU	9007	12 13	5 15 28.50	5 04 24	-64 56			434023
JOJJI HIGHSHITALISCIATALIJAN	- 4410	44 10	6 27 31.6			0 00	33 12	845303
36550 KANAYA MACHI. JAPAN 36545 MITAKA. JAPAN	0429	12 13	8 30 01 8 30 23•z	18 34	77	344 12	39 42	845002
3-545 MITAKA JAPAN	0229		5 30 23.2 5 31 17.55			342 00	45 06	845303
	0229		8 31 22.6		1.0	1 30	45 24	845303
11584 TOKYU*UN: JAPAN 36548 KONKU: JAPAN	9005	12 13	8 33 43.70 8 33 58.4	3 20 00 • 27 30	50 43 39 54			434013 845002
36549 YORKAICHI - JAPAN	3.58		8 37 43	4 26	16			845002
36391 BAGUIO CITY. PH.IS.	0504		10 30 06.2			352 04 4	8 7 55 .4	845302
36395 TAIPEL+ TAINAN 36398 MSINGCHU CITY+TAIWAN	0502		10 30 34.8	17 21 17 44	80 36 86 35			845042
36392 BAGUIO CITY PH.IS.	0504		10 31 37.0	. ,	0 <b>0</b> 30	2 03 3	6 11 49 48	845302
36553 YOKFAICHT. JAPAN	0258	12 13	10 31 53	20 20	40			845002
11585 TORYGUNA JAPAN		12 13	10 32 31.60		34 02			434013
36556 KAGOSHIMA+ JAPAN 36393 BAGUIO CITY+ PH-IS+	0504	12 <b>1</b> 3 12 13	1 <b>3</b> 32 38 10 32 50.6	21 37	61 42	10 36 0	0 14 25 12	845002
36396 TAIPEL TAINAN	0502	12 .3	10 33 55.6	<b>→</b> 38	53 46			845042
36555 YATSUSHIRO: JAPAN		12 (3	10 34 4			0 00	71 30	845302
36552 MITAKA: JAPAN 36554 KANAYA MACHI: JAPAN		12 13	10 34 31.9	1 51	19	272 06	55 16	845303. 845002
36397 TAIPEL TAIMAN	0502	12 13	10 37 04.6	5 23	25 42			845042
36557 HIGASHIMATSUYAMA.JAR	0210	12 13,	10 31 30.6			180 00	60 12	845303
36590 QUEZON CITY PH-15.		12 13	12 32 40.5	10 66 . 0	61 12	323	1.3	845302
36399 HSINGCHU CITY+TAIWA 36559 KAGOSHIMA+ JAPAN		12 13	12 32 49.4	20 55 48	41 12 17 30			845042
36394 BAGUIO CITY: PH.IS.	0504	12 13	12 34 18.7			329 51 3		845302
36558 YATSUSHIRO. JAPAN		12 13	12 34 26			270 00	23 06	645302
11589 SHIRAZ'UN: IRAN 11583 WOOMERA'UN: AUSTR.	900E	12 13	14 27 07.51 15 <b>0</b> 6 12.54	8 13 24	51 10 -44 57			434013 434023
11590 SHIRAZ'UN. IRAN		12 13	16 29 12.76	0 24 48				434013
55411 MEUDON, FR.		12 13	18 15 02.40			270 06	22 53	637109
55412 MEUDON: FR. 11581 OLIFANTSENTN'SN:S.A		12 13	18 16 08 80	9 07 12	-68 19	262 54	30 48	637109

085 NO	) STATION	STA NO	DATE		T <b>2</b> 1	4E		۲. ا		DEC	٠.	A / 11	41 J T a		A: T	1144	1 -	MANGE	INULA
	NEW ORLEANS. LA. ST. PETERSBURG, FLA.	0030	12 14		11	40		26		72			00		37			KANGE	845302 845022
36231	TERRE HAUTE INO	8127	12 14	ō	12	13.4		••	30	12	"	162			80	-			845303
36698	ST. PETERSBURG. FLA.	8604	12 14 12 14	0	13 17	34		05		51		30	48		86	18			845302
36233	OLIFANTSFNTN'BN: S.AF SAN JOSE: CAL.	9002 8573	12 14			17.21		19 54		-74 60									434023 845002
	SAN JOSE: CAL. CHINA LAKE: CAL.	8573	12 14 12 14	2	09	20.1		23		59		14	21		4.3		20		845002
36238	DENVER. COLO.	8592	12 14	2	13	23.5						.180			62		00		641303
36237	N. CANTON: OHIO DENVER: COLO:	8536 8592	12 14 12 14			39.2 29.0	22	27	10	٥	00	149	15	00	44	12			845303
	OENVER . COLO. AREQUIPA BN . PERU	8592 9007	12 14 12 14			30.0 48.34	4	55	4.2	-49	2.0	239	υÚ		20	4	00		845303 434023
	MAUI'BN. HAWAII AREOUIPA'BN. PERU	9012 9007	12 14	6	11	19.40	1	41	48	56	41								434013
36400	TAIPEI - TAIWAN	0502	12 14	10	00	18.85 1.66		10 49	00	-63 66									434023
	YATSUSHIRO: JAPAN TCHITA: USSR	0272 1064	12 14		00	43 04.2	2	12	30	-80	00	0	00		72	18			845302 845009
	01TA: JAPAN KAGOSHIMA: JAPAN	0239	12 14		01			33		55	00								845002 845002
36404	HSINGCHU CITY TALWAN KANAYA MACHI. JAPAN	3505	12 14	10	01	32.7	-	51		55									845042
11600	TOKYOTBN+ JAPAN	9005	12 14	10	27	24		57	18	39 40	11								045002 434013
	MITAKA: JAPAN YOKKAICHI: JAPAN	0229	12 14		03	37.31	4	17				179	59	46	74	42			845302 845002
36837	BAGUIO CITY, PH.15. TAIPEL: TAIWAN	0504	12 14	11	58	56.2					2.	326	46	40	10	59	24		045302
36838	BAGUIO CITY PH.15.	0504	12 1-	1.2	00	14.1 29.2	. 1	02		47	24	330	-	24		36	00		845302
	MATSUSHIRO. JAPAN BAGUIO CITY. PH.IS.	0272	12 14		01	30.5						270		1.2		30 1 <b>→</b>	24		045302
	TAIPEI - TAIMAN KAGOSHIMA - JAPAN		12 14	12		38.4		59 38		10			·		•		-		845342
36570	KANAYA MACHI. JAPAN	0220	14 14	1.2	0.3	5.	4.	50		0									84500Z 84500Z
36840	HSINGCHU CITY.TALWAN BAGULO CITY. PH.15.	0004	12 14	1.2	Q 44	04.6		35		3 3	30	347	Jo	2 4	4.3	4.	24		042044
	YOKKA1CHI: JAPAN MIYAZAKI: JAPAN	0258	12 14			07 11.9		50	00	~ 2	<b>→</b> 8								845002 845002
55520	SAMARKANO: USSR - SAMARKANO: USSR	1043	12 14	1.3	51	13.9	. 4	19	1.2	11	. 8								845009
11596	COMERA!BN. AUSTR.	9 303	12 14	14	28	41.80	>	32	06	-49 -20	20								845009 434013
	ONEPROPETROVSK + USSR ONEPROPETROVSK + USSR		12 14 12 14			31.1 37.6			30	20									845009 845009
	BESANÇON FR.	9003 2727	12 14			36.43 35.61	3	39	4	-49	12	. 62	• 0		: 0	40			434023 904209
55526	BESANCON . FR.	2727	12 14	1.7	4.	11.5-						481	10		13	•0			834304
	BESANCON: FR. BESANCON: FR.	2727 2727	12 14	1.7	43	073						274				ۇر 6-			905+60 906+60
	BESANÇON: FR. BESANÇON: FR.	2727	12 14			13.01						250				22			834309 834309
55531	BESANCON. FR.	2727	12 14	1.7	40	14.7.						237	30		> 3	د ۵			834309
55532	EL GULEA, ALG. BESANCON: FR.	6411 2727	12 14	1.7	4.7	00.0						330 213				42			845309 834309
	EL GULEA: ALG. BESANCON: FR.	2727	12 14			16.74						176				59			845309
	EL GULEA, ALG. BESANCON, FR.	6411 2727	12 14			17.43						348				1.			045309
55416	EL GULLA. ALG.	6411	12 14	1	50	00.0						2	10		27	ΰŪ			845307
	BESANCON. FR. EL GULEA. ALG.	2727 6411	12 14			35.46					٠	146	36			06			845309 845309
	BESANCON FR. EL GULEA ALG.	2727	12 14			16.14						142				00			834309
55537	BESANCON: FF.	2727	12 14	1	5.2	24.13						137	47		24	39			834309
55538	EL GULÉA: ALG. BESANCON: FP.	5411 2727	12 14	1	7 53	02.99						135	5.2		21	20			645309 834309
	EL GULEA: ALG. BESANÇON: FR.	5411 2727	12 14			00.0						86 133				18 56			845309 834309
	BESANCON: FR. WOOMERA!DN: AUSIR.	2727	12 14			13.90	. 6		4.8	-54		131	30		1 4	15			034309
11597	SAN FERNANDO'BN. SP.	9004	12 14	1 '	, 49	46.40	43	47	0 6	16	5.1					•			434013
	SAN FERNANDU'BN+ SP. EVANSTON+ ILL.	0149	12 14	٠ .	3 35	29.40		30	00	- 5 41	12								434013 845042
	N. CANTON: OHIO	8544 9010	12 14			45.6			54		35								845012 434013
36243	TERRE HAUTE . IND.	6127	12 14	2	3 38	59.0						C	30	)	72	40			845302
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	NEWTOWN-P N. CANTON: 0H10	5097 8536	12 14			1 51 3 55		ەپە ۋ ئۇ			00								637009
56134	NEWTOWN-P	5097	12 14	2	3 44	00	1	4.	30	8	54								637009
56135	N. CANTON: OHIO NEWTOWN-P	8536 5097	12 14 12 14	2	3 4	5 54		2 41	i i	- 3	3 24								637009
	JUPITER'BN: FLA:	9010	12 14	2	3 4	3 29•36 •	•	- 31	00	9	19								434013
	OENVER COLO.		12 15 12 15			7 56.0							5	5 00		1:	00		845303 845303
36411	DENVER. COLO.	0900	12 15		1 4	1 51.2			06		0.3						•		845013
	PUEBLA: MEX.  PALBUGUEROUE: N.M.	0900 8534			1 4	2 21.2		0	5 24	1	3 00								845013
35413	B PUEBLA: MEX. B JUPITER'BN: FLA:	0900 9010	12 15 12 15			3 49.1 3 55.19			7 4.		9 44								845013 434013
11606	S JUPITER BN. FLA.	9010	12 15		1 4	5 54.41	2	3 3	e 54	1.	3 50								434013
3641	5 SAN JOSE + CAL +	8575	12 15		و د	8 45.3	- 4	<i>.</i>	2 39	1 :	28								845002

36417 PORTLAND. ORE.	51A NO 0076	12 15	TIME 3 39 28.8	R. A. 0 12 30	DECL.	HTUNESA	ALTITUDE RANGÉ IND 8450	42
		12 15 12 15	3 40 <b>35.</b> 0	0 50 00	-15	424 48 36	53 <b>37</b> 46 8453	
36416 SAN JOSEO CALO	8573	12 15 12 15	3 41 41.8	1 21 55	- 6 23	•••	8450	
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11808 VILLA DOLORES*BN.ARG		12 15 12 15	4 10 43.75	3 00 30 10 48 12	-25 28 -45 10		4340 4340	
11610 VILLA DOLORES BN. ARG	9011	12 15	8 10 02.33	2 27 54	-22 24		4340	13
11611 Villa COLORES®BN∙ARG 11629 TOKYU°BN∙ JAPAN		12 15 12 15	6 2 <b>1 34.</b> 07 9 46 42.80	11 40 06	-32 20 46 44		4340 4340	
36571 MITAKA: JAPAN		12 15 12 15	9 33 35	2 07	45	302 48	68 0 <b>0</b> 8453	
36572 MITAKA: JAPAIS	0229	12 15	9 30 14.1	2 01	<b>\$</b> 5	132 00	8453	103
36573 MITAKA: JAPAN 36403 TAIPEL: TAIBAN		12 15 12 15	9 31 24.0 11 29 <b>34.3</b>	ا 30 د ت	52 24	128 12	62 12 8453 8450	
365 45 MITAKA JAPAN	3229	12 15	11 30 24.9		-	253 18	23 16 8453	
36408 HSINGCHU CITY TAIWAN 55516 VLADISVOSTOR: USSR		12 15 12 15	11 31 14.4	1 04 00	42 36 -18 <b>0</b> 6		8450 8450	
36576 MITAKA: JAPAN 11630 TOKYO'8N: JAPAN		12 15 12 15	11 31 56.1 11 32 13.40	23 04 42	- 8 44	239 36	26 00 8453 4340	
55517 VLADISVOSTOF USSR	1013	12 15	11 33 00.7	4 47 12	-24 12		8450	009
38407 MSINGCHU CITY:TAL#AN 36578 YORKALCHI: JAPAN		12 15	11 33 13.8 11 33 -9	0 13	14 54		8450 8450	
36077 MITAKA. JAPAN	0227	12 15	11 33 52.0			220 30	26 30 8403	102
	4003	12 15	13 34 46.84	> J5 18 21 14 00	-12 34 42 00		4540	
	1018	12 15	15 18 46	4 07 48	38 .4 48 05		845C	
11613 WOOMERATON. AUSTR.	¥003	12 15	10 00 54.44	4 54 42	-61 44		4340	123
11814 #OOMERATEN. AUSTR. 11615 SAN FEFNANDGTEN. SP.	4 20 3	12 15 T4 15	18 09 31.87 19 15 19.60	22 29 24	-81 05 35 11		434(	
11617 CURACAU'BN. N		12 15	23 14 43.22	4 45 00	55 47		4340	
36430 CHINA LAKE, CAL.	5288		1 03 18.4				48 6 5 50 845	
36419 DERVER, LULU. 36890 ALBUGUERGUE: N.M.	8592 8534	14 16	1 06 44.0	2 31 00	<b>42</b> 06	1.8 30	69 51 JU 845;	
	3930		1 07 50.7	0.730	83 56	124 18	52 30 8450	
36891 ALBUGUER JUL . N.M.	5534	12 16	1 06 1	2 40 00	. 6 48	1.4 10	.04>0	342
36423 SAN JOSE + AL.	5073	12 :6	ۇ دۇ ئا ۋ مەرد ئا د	43 02 39	31 52 20 58		8450	
36428 CHINA LAIL. CAL.	6573 6078 6734	12 16	3 07 04.4			219 37 12	0. 47 30 64.	303
36892 ALBUGUERGUE+ "+.M. 36425 EDINGURG+ TEX.	0366	10	3 47 37	-1 21 14	11 .8	280 15	• 845(	
36421 DENVER+ LUCC.	9986		3 08 .0.0			253 00 267 30	28 40 00 840. 34 840.	
11618 ORGAN PASSIDA. ".Y.	1001	12 .6	3 1. 0=.00	C = 18		201 30	464	دان
36431 FORT WORTH, TEX. 36592 PUEBLA: MEX. 36593 PUEBLA: MEX.	0137	12 15	3 .4 43.0	23 .3 18			8450	
	0430	12 16	3 13 03.7	. 1 . 5 12	16 49		845	013
36893 ALBUGUERGUE N.M.	8534 0066	12 16	3 . 3 36 • • 3 5 • • 0	. 46 24	-26 30	221.45	8451 43 15 845.	
SAMPL DERVERS COLC. SAMPL CHINA LARLS CALS	654	.2 16	3 13 54.¥ 3 13 56.¥			102 36	10 24 845	
11562 FILLA DULURES STARANG	4011	64 65	3 37 37.54	5 26 12		.40 27 00	434	و ۽ ن
11664 VILLA DOLUKE 'DN.APG			3 43 38.13 5 39 45.72	2 13 00 2 59 48			40 3 40 40 40 40 40 40 40 40 40 40 40 40 40	
11565 VILLA DULUHE TENAHG	¥31.	0	7 5. U+.3Q 34.6C 3C	13 07 12	-5 + 15		به ژ ب	023
11666 VILLA DOLUFE 189.AND 36519 MITAKA, JAFAN	-224	12 . 6	► 54 55•0		-47 00	3.7 30	88 24 845	
16582 TANATA MACHI. JAPAN 11632 TOKYOTON: JAPAN	622	12.6	8 55 Jb.80	. 5 ; . 3 35 - 2	63 48. 24		545. 434.	
36584 MIYAZAFI + JAPAN	30	i t	r 55 35.9	3 01 55	53 18		8 ↔ 5	002
36580 MITAKA: JAPAN 36581 MITAKA: JAPAN	-229	1. 10	8 57 43.7.			342 JJ 100 is	78 0J 845	
36383 YATSUSHIRU JAPAN	J 27_	1. 16	8 57 30 10 54 47.3	د	4	40 00	23 36 845	10.
36841 BAGUIO CIITE PH	0504	1. 10	10 55 00	4. 43	02 40	348 36	21 3 040	
	0272	12 16	10 56 02	1 د ت	54 30	270 00	. 44 40 . 845 845	
36585 KANAYA MACHI: JAPA'S	0220	12 16	.0 57 15	4. 22	8		0.40	
36842 BAGUIO CITY: PH.15. 36586 OITA: JAPAN	0239	12 16 12 16	10 58 02.3 10 58 18	23 42		16 25 12	30 28 48 842 845	
36588 MIYAZAFI. JAPAN	0230	12 16	10 58 27.9	23 41 00			845	002
58843 BAGNIO CITY: PH.15: 35577 TAIPEL: TAIBAN			16 59 20.1 11 00 44.5	3 25 30	10 00	35 06 00	40 02 12 845 845	
36844 BAGUIC CITY: PH.IS. 36594 HSINGGO CITY:TALWAN	0>04	14 16	11 01 21•1 11 02 16•1	3 42		64 48 38		304
36845 BAGU10 CITY+ PH.15+	0504	14 15	11 03 35.9		, 41	87 54	وجم در در	302
36589 YOKKAICHI+ JAPAN 11633 NAINI TAL+BN+ INDIA	0258 9006	12 16 12 16	11 03 40 12 54 20 92	3 32 42	22 33	171 12	24 00 645 434	
11634 NAINI TAL'BN. INDIA	9006	12 16	12 55 30.67	3 49 00	12 31		434	013
	9003	12 16	13 21 02.94	3 56 00 5 48 12	- 7 10			013
55523 SAMARKAND: USSR 55524 SAMARKAND: USSR	1043	12 16 12 16	13 23 03.7	3 13 0e 3 32 0e				009
55654 TB16151 USSP	1.953	12 16	14 42 28.9	18 39 30	38 30		8 45	009
55655 TB1LISI+ USSR 11641 SHIRAZ'BN+ IRAN	1 05 3 9 0 0 <b>8</b>	12 <b>16</b> 12 18	14 44 36.7 14 51 15.37				845	009
11622 WOOMERA'BN: AUSTR.	ା ଜନ୍ୟ 3	12 18	15 26 14.19				434	023
55541 BESANCON: FR. 55542 BESANCON: FR.	2727	12 18	16 39 25.34 16 41 01.09			245 08 170 23		309 30 <b>9</b>
55543 BESANCON. FR. 55544 BESANCON. FR.	2727	12 16 12 16	16 42 09.87			142 14	52 26 834	309
JJJ44 DESARCORI FE.	2121	14 10	10 43 11.16			132 23	41 10 834	309

OBS NO STATION 11642 SHIRAZ'BN+ 1RAN 11624 WOOMERA*BN+ AUST	5TA NO 9008 R. 9003	DATE 12 16 12 16	TIME 16 53 18.29 17 33 48.02		OECL. -10 03 -81 57	AZ IMUTH A	ALITIUDE KANGE	INUEA 434013 434023
36432 SAN ANTONIO, TEZ 36433 N. CANTON. OHIO 11651 JUPITER'BN. FLA. 11652 JUPITER'BN. FLA. 11653 JUPITER'BN. FLA. 11643 CURACAU'BN. N.W. 36438 CHINA LAKE. CAL. 36894 ALBUQUEROUE. N. 36436 OENVER. COLO. 36895 ALBUQUEROUE. N. 11619 ORGAN PASS'BN.	8536 9010 9010 9010 10 9010 11 9009 8588 4. 8534	12 17 12 17	0 38 59.98 0 39 07.99 0 41 20.73 0 43 51.54 2 33 32.0 2 35 05.6 2 35 13.4 2 35 57.0	1 36 23 49 23 55 30 0 03 30 1 51 30 0 38 12 22 24 24 23 24 48 23 12 00	62 30 - 9 00 31 00 28 48 5 15 36 37 7 18 1 12 8 49	217 19 12 223 36 203 54	73 14 24 34 06 32 06	845012 641042 434013 434013 434013 845042 845042 845042 845044 434013 845043
36435 SAM ANTONIO TE 36599 PUEBLA, MEXA, 11654 JUPITER'UN, FLA 11655 JUPITER'UN, FLA 11636 AREQUIPA'UN, PE 36439 CHINA LAAL, CAL 11670 MAUI'BN- HAHAII 11637 AREQUIPA'UN, PE 11671 MAUI'BN- HAHAII 55666 VLAQISVOSION, U 55667 VLAQISVOSION, U 56598 TAIPE; TAIHAN	0900 9010 9010 50 9007 8588 9012 RU 9007 9012 55R 1013	12 17 12 17	2 39 00.9 2 39 30.78 2 42 56.16 2 59 16.11 4 36 29.7 4 37 17.18 5 03 44.01 6 38 51.59	23 11 23 10 18 22 08 30 23 23 12 4 32 42 3 50 48 1 53 12 2 20 48 19 43 50 2 41 18 0 56	0 24 29 04 - 1 52 -19 51 -32 19 -61 08 -58 17 -22 54 4 4 8 - 2 42 66 12	232 00 00	19 30 00	845012 845013 434013 434013 434023 434023 434023 434013 845009 845009 845009
11631 TOKYO'BN. JAPAN 36702 YOKKAICHI. JAPAN 36702 AOELAIDE. AUSTR 55659 FRUNZE. USSR 36701 ADELAIDE. AUSTR 55656 FRUNZE. USSR 55657 EREVAN. USSR 55657 EREVAN. USSR 55661 FRUNZE. USSR 55662 FRUNZE. USSR 55662 FRUNZE. USSR 55934 RODEWISCH. GER. 55934 RODEWISCH. GER. 55935 RODEWISCH. USSR 11677 SHIRAZ'BN. IRAN 36703 ADELAIDE. AUSTR 11625 WOOMERA'BN. AUS	9005 90258 9028 1058	12 17 12 17	10 27 07.20 10 28 26 10 53 38.0 12 15 38.0 12 15 38.0 14 11 21.5 14 13 40.3 14 13 36.3 14 15 36.3 14 17 53.5 14 17 53.5 14 17 53.5 14 17 53.5 14 18 56.7 14 54 07.0 16 06 37.0 16 07 45.1 16 11 47.2 16 19 34.32 16 57 52.0	23 57 18  7 45 23 03 00 6 45 21 41 00 20 06 00 1 06 48 2 16 36 22 03 00 22 48 30 23 12 00 5 45 0 32 30 21 51 06 4 53 00 4 53 00	-15 13 -7 30 -12 30 -15 -55 54 -10 24 -34 00 -57 25 -1 48 - e 24 -11 00 -51 30 -51 30 -15 15 -63 30 -78 25	188 36	31 46	434013 845302 845009 845009 845009 645009 845009 845009 845009 845009 845009 845009 845009 845009 845009 845009 845009 845009 845009
36704 AOELAIDE, AUSTR 55936 RODEWISCH, GER, 55937 ROOEWISCH, GER, 55947 RE GULEA, ALG, 55546 EL GULEA, ALG, 55546 EL GULEA, ALG, 55549 EL GULEA, ALG, 55549 EL GULEA, ALG, 36705 ADELAIDE, AUSTI 11020 OLIFANISFNIN'BI 36846 PRETOPIA, S.AFI 36847 PRETOPIA, S.AFI 36847 PRETOPIA, S.AFI 36840 SAN ANTONIO, TI 366440 JERRE HAUTE, II	852d 2733 2733 6411 5411 6411 6411 6411 6411 8526 8575 8. 8575 8. 8575	12 17 12 17	16 59 C2.84 17 07 18.0 18 10 08.3 18 11 47.4 18 12 00.0 18 13 00.0 18 14 00.0 18 15 00.0 18 16 00.0 18 17 00.0 19 01 14.0 20 32 49.73 22 34 48.1 22 43 15.0 23 59 07.21 23 59 30.5 23 59 30.5	13 58 22 15 5 % 23 13 5 % 24 7 18 1 06	-03 00 6 45 -10 24	2 46 65 00 100 30 112 00 115 46 117 36	74 18 74 14 82 16 50 06 40 54 55 00 34 16 36 30 44 00	8340002 834009 834009 845309 845309 845309 845309 845309 845002 434013 845001 845303 637014 845303
36441 NEW ORLEANS, L. 36442 BILOXI: MISS. 55950 ROCHESTERIP: N. 11656 JUPITER'SN: FL. 36466 CINCINNATI: OH 55951 ROCHESTERIP: N. 36443 BILOXI: MISS. 36444 ST. PETERSBURG 36434 N. CANTON: OH 36445 ST. PETERSBURG 11657 JUPITER'SN: FL. 11646 CURACAO'SN: N. 11658 JUPITER'SN: FL. 36896 ALBUUGURGUE: N.	.Y. 5050 A. 9010 10 0050 .Y. 5050 .FLA 0121 0 8536 .FCA 5121 A. 9010 H.I. 9009 A. 9010	12 18 12 18 11 18 12 18	0 04 59.4 0 06 18 0 06 30.35 0 10 42.91 0 14 09.23 1 55 11.0	23 23 30 23 31 06 0 46 10 0 47 1 57 30 1 25 48 1 36 48 4 17 54 15 48 24	0 11 54 00 10 24 -12 16 -10 27 -10 27 -22 20 24 48 39 18 -25 29 28 18	90	58 63 30 57	845302 845304 637014 434013 845004 637014 645302 845022 845022 434013 434013 434013 434013
36449 SAN OIEGG. CAL 36480 SAN DIEGG. CAL 36450 SAN DIEGG. CAL 36897 ALBUQUERQUE. N. 11659 JUPITER'BN. FL 36601 SAN ANIONIG. T 36447 CINCINNATI. OP 36451 FORT WORTH. TE 11660 JUPITER'BN. FL 11661 JUPITER'BN. FL 11661 JUPITER'BN. FL 11662 CURACAO'BN. N. 11673 AREGUIPA'BN. FL 11668 VILLA DOLORES' 36452 CHINA LAKE. CA 11638 AREGUIPA'BN. FL 11672 MAU'IBN. HAWAI 11669 VILLA DOLORES'	L- 8517	1 12 18 8 12 18 7 12 18 2 12 18	1 57 12.4 1 58 36.0 1 59 07.9 2 01 48.7 2 02 44.8 2 04 37.5 2 05 11 2 07 08.0 2 07 14.3 2 13 18.2 2 15 32.55 2 23 48.0 8 2 24 42.39 2 38 10.6 4 02 45.4 4 28 34.0 6 09 21.4 2 6 42 50.90	23 17 30 0 51 00 24 23 48 0 59 00 23 56 06 3 57 24 3 40 48 9 29 36 1 39 06 4 15 54	49 ±0 11 00 13 43 4 42 -22 00 -6 30 -39 49 -24 20 -15 34 17 59 -34 24	237 12	1> 48	645012 641304 845012 845042 845042 845013 434013 434013 434013 434013 434023 434023 434023 434023

36730 ASAHIKAWA, JAPAN 36733 KAGOSHIMA, JAPAN 36731 KANATA MACHI, JAPAN 36732 MIYAZAKI, JAPAN 11627 WOOMERA'BH, AUSTR, 55664 EREVAN, USSR 11643 SHIRAZ'BH, IRAN 55665 EREVAN, USSR	S1A NO UATE 0201 12 18 0218 12 18 0220 12 18 0230 12 18 9003 12 18 1018 12 18 9008 12 18 1018 12 18	11ME 7 48 38.2 9 50 54.5 9 54 49.2 10 02 02.1 12 12 26.92 15 42 10.2 15 44 35.00 15 44 44.7	R. A. 22 25 23 57 1 41 4 22 42 5 09 36 23 12 30 22 50 18 0 50 00	26 48 25 48 -17 00 -34 06 6 40 - 4 12	AZ [MUIM A	ALTITUDE RANG	845002 845002 845002 845002 845002 434013 845009 434013
55551 EL GULEA. ALG. 55552 EL GULEA. ALG. 55554 EL GULEA. ALG. 55556 EL GULEA. ALG. 55556 EL GULEA. ALG. 55557 EL GULEA. ALG.	6411 12 18 6411 12 18 6411 12 18 6411 12 18 6411 12 18 6411 12 18 6411 12 18 9004 12 18	17 37 00.0 17 38 00.0 17 39 00.0 17 40 00.0 17 41 00.0 17 42 00.0 17 43 00.0 19 38 15.20	22 34 36	- 426	349 30 18 18 58 00 83 30 96 24 103 24 108 00	55 54 63 46 54 60 44 24 36 18 27 06	843309 845309 845309 845309 845309 845309 434013
11621 OLIFANTSFNTN'BN.S.AF 11678 JUPITER'BN. FLA. 36453 NEW ORLEANS. LA. 11679 JUPITER'BN. FLA. 36457 CINCINNATI. OHIO 56136 NEWTOWN-P 56137 NEWTOWN-P	9002 12 18 9010 12 18 9010 12 18 9010 12 18 9010 12 18 0050 12 18 5097 12 18	24 05 29.56 23 27 05.50 23 27 41 11 26 27.08 23 28 34.7 23 29 37 23 32 07	1 53 12 18 04 12 19 36 06 21 58 0 02	-40 03 56 32 62 12 7 48 - 9 30	0 00 214 30	49 00 69 36	434023 434013 845302 434013 643302 537009 634009
36454 NEW ORLEANS, LA. 11647 CURACAO'UN, N.W.I. 11648 CURACAO'UN, N.W.I.	030 12 16 9009 12 16 9009 12 18	23 32 14 23 35 32.89 23 39 10.21	1 02 00	58 18 19 20	<b>70</b> 00	39 00	645502 434015 434015
36898 ALBUQUERQUE, N.M. 36459 SACRAMENTO, CAL. 36461 SAN JOSE, CAL. 36462 SAN JOSE, CAL. 36463 GENVER, COLC.	8534 12 19 8517 12 19 8573 12 19 8573 12 19 8592 12 19	0 57 47.8 1 24 21.1 1 25 56.6 1 27 10.1 1 27 46.0	0 06 12	40 12 22 51 15 07	0 00	55 4¥	545U42 545U4 545U42
36602 SAN ANIONIC: TEX, 36465 WHITTIER'O: CAL. 36604 ALBUQUERQUE AFB.N.M. 36464 OENVER: COLO.	8592 12 19 0089 12 19 8566 12 19 8579 12 19 8592 12 19	1 26 26.4 1 28 50.0 1 29 15.5 1 29 24.9	21 06	31 40	107 48 36 180 00 185 15 00	46 3U 40 6U 48 4U 3U	845012 845012 845303 845303 845303
36455 NEW ORLEANS» LA. 11674 ORGAN PASSIEN» N.M. 11722 JUPITERIUN, FLA. 36458 CINCINNATI» OHIO 36603 SAN ANTONIO, TEA.	0030 12 19 9001 12 19 9010 12 19 0050 12 19 0089 12 19	1 29 43.5 1 30 07.50 1 30 28.35 1 31 10.5 1 31 23.7	0 52 12 20 47 JO	7 19 12 29 6 30	270 00	10 .4	640302 4340.3 4340.3 640302
11723 JUPITER'BN, FLA. 36467 FORT WORTH, TEX. 36456 NEW ORLEANS: LA. 11724 JUPITER'BN, FLA. 36640 PUEBLA: MEX.	9010 12 19 0139 12 19 0030 12 19 9010 12 19 0900 12 19	1 33 16.69 1 34 00.4 1 36 36 1 36 38.97	23 45 .8	-21 21 -22 24 -24 10 - 6 44	180 00	32 UU	434013 545302 434023 845013
36641 PUEBLA, MEX. 11649 CURACAO'DN, N.W.I. 11639 AREQUIPA'BN, PERU 11650 CURACAO'BN, N.W.I. 36460 SACRAMENTO, CRL.	0900 12 19 9009 12 19 9007 12 19 9007 12 19 9009 12 19 3517 11 19	1 37 16 1 39 49.76 1 40 17.17 1 40 30.47 3 27 07.9	2 .5 12 23 11 33 2 .9 30 2 36 18 24 13 18	-10 34 - 9 10 -51 00 -51 9			843013 434013 434013 434013
36466 MHITTIER U. CAL. 11675 ORGAN PASSIBN. N.M. 36642 PUEBLA. MEX. 36643 PUEBLA. MEX.	8566 12 19 9001 12 19 0900 12 19 0900 13 19	3 31 11.0 3 42 24.70 3 43 32.3 3 44 30.7	2 00 36	-22 20 -55 08 -56 07	. 05 28 1.	اد د. و اد. د	042903 434043 842043
11640 AREGUIPA-BN. PEPU 11680 VILLA DOLORES-BN.ARC 11681 VILLA DOLORES-BN.ARC 11682 VILLA DOLORES-BN.ARC 11683 VILLA DOLORES-BN.ARC	5 9011 1. 19 5 9011 1. 19 5 9011 12 19	5 54 30.34 5 58 38.41 6 03 10.46 8 09 03.23 8 15 13.53	1 45 4. 1 50 00 4 00 48 1. 47 00	-5. 34 -5. 44 -5. 56 -58 5.			434023 434023 434023 434023
36741 KANAGAHA, JAPAN 36734 MITAKA, JAPAN 36740 SAPPURG, JAPAN 36742 OITA, JAPAN 36744 KAGOJHIMA, JAPAN	0219 12 19 0729 12 19 0245 12 19 0239 12 19 0218 12 19	9 13 33 9 45 9004 9 16 4608 9 16 40 9 47 43	6 3. .3 36 0 15	- • . 4 . 7 . 5 • .	183 267 ×8	50 *J 9*	245001 245001 245001 265040
36735 MITAKA+ JAPAN 36737 MUSASHING+ JAPAN 36736 MITAKA+ JAPAN 36745 HIGASHIMATSUYAMA+JAI 36739 KANAYA MACHI+ JAPAN	0229 12 19 0233 12 19 0229 12 19 P 0210 12 19	9 17 -7.5 9 17 52. 9 16 18.3 9 19 58.9	2	- 6 13	226 24 225 209 24 180	90 90 94 06 42 36	54550 54550 54550 54550 54500
36738 KASHIWABARA, JAPAN 11688 TOKYOPBN, JAPAN 36743 MIYAZAKI, JAPAN 36747 KASHIWABARA, JAPAN	0222 12 19 9005 12 19 0230 12 19	9 20 12 9 20 31.80 9 25 30.5 11 17 40	1 18 0 43 00 7 46 24 21 10	- 9 -14 24 -24 30 - 6			545002 434023 545002 545002
36749 KAGOSHIMA, JAPAN 36746 YOBEAICHI, JAPAN 36849 BAGUIO CITY, PH.IN. 36748 MIYAZAEI, JAPAN 36850 BAGUIO CITY, PH.IS.	0258 12 19 0504 12 19 0230 12 19 0504 12 19	1. 23 00.7 1. 25 13.3 1. 6 16.	. 01 18		.48 34 48	71 00 00 38 42 36	84300. 843003 843 <b>3</b> 0.
36851 BAGUIO CITY: PH.IS. 1168- WOOMERA'BN: AUSTR: 11685 SHIRAZ'BN: IRAN 55558 TAMANRASSET: ALG: 55559 TAMANRASSET: ALG:	9003 12 19 9008 12 19 6412 12 19 6412 12 19	13 41 55.50 15 59 35.04 19 17 30.0 19 18 30.0	3 37 00	28 58 28 <b>2</b> 9	159 12 157 06	.0 10	0423 <b>6</b> 2 434023 434023 04204 842309
55560 TAMANRASSET+ ALG. 55561 TAMANRASSET+ ALG. 55562 TAMANRASSET+ ALG. 55563 TAMANRASSET+ ALG. 36690 STATE COLLEGE+ PA.		19 20 30.0 19 22 30.0 19 23 30.0			154 54 153 24 151 06 150 00 151 42	12 20 7 24 4 00 1 42 29 90	705643 706643 7 <b>066</b> 43 <b>708</b> 643
36605 SACRAMENTO: CAL. 36607 ALBUQUERQUE: N.M. 11693 JUPITER'BN: FLA. 36468 NEW ORLEANS: LA.	8517 12 20 . 0041 12 20 . 9010 12 20 . 0030 12 20	0 54 04.5	23 01 0 19 26 4			74 40	641304 847042 434013 847302
36691 STATE COLLEGE. PA.					212 10	13 42	942202

OBS NO STATION	STA NO	DATE	TIME	D 4	DECL	AZ IMUTH	ALTITUDE RANGE	1 5 1 1 5 .
36469 NEW ORLEANS. LA.		12 20	1 01 21.4	R. A.	DECL.	180 00	42 00	845302
11694 JUPITER BN. FLA.	9010	12 20			-14 10			434013
11686 CURACACIBN. N.W.T. 36617 LIMA. PERU	9009 0814	12 20 12 20	1 09 24.01	2 55 00	●32 55 33 18			434023 645002
11695 JUPITER BN. FLA.	9010	12 20	1 10 44.49	3 24 42	-51 20			434023
11689 AREQUIPA'BN: PERU 11696 VILLA BOLORES'BN: ARG	9007	12 20	1 18 24.60	3 47 42 4 08 30	9 22 15 <b>41</b>			434013
36608 SAN JOSE + CAL.	8573	12 20	2 53 04.2	22 03 37	- 1 01			845004
36606 SACRAMENIO, .A., 36609 SAN JOSE, CAL,	85 <b>1</b> 7 8573	12 20	2 53 33.3		- 6 56 - 3 05			845013
30010 CHINA BALL LAL.	0098	12 20	2 54 57.0	22 17 27	- 3 05	226 15 00	33 48 36	845002 541303
30766 PUEBLA. MLX.	373c	12 20	2 59 54.2	11 \$8 OU				845013
11690 AREQUIPATEN, PERU 11697 VILLA JOLORA DENIARO	9011	12 20	3 19 50.57	1 44 48	-41 45			434023
11698 VILLA LOLORE, SN. AR.	9011	1. 20	3 32 51.73	10 18 48	-52 03			434023
11733 MALI'SNO MARATI 11699 VILLA DOLORES'EN ARG	9012	12 20	50 56.50 5 31 13.71	3 32 00	28 27 -10 41			434013 434013
11700 VILLA DOLUKES'BN.ARG	9011	12 20	5 41 35.64	13 35 18	-42 25			434023
11701 VILLA LOLOR-S'SN.ARG 11702 VILLA DOLORES'BN.ARG		12 20	7 31 34.02	14 49 24	-46 18 -20 35			434023
36754 KASHIMABARA, JAPAN		12 20	8 41 .2	40 23	41			845002
36755 KANAYA MACHI: JAPAN	0220	12 20	8 4: 26.7	20 28	42 24	2.5.24	6.1.1.1	845002
36750 MITAKA: JAPAN 36753 ASAHIKAWA: JAPAN	0229	12 20	8 42 31.8 8 42 51.6	22 01	- 2 30	205 06	53 12	845303
30756 SAPPURG. JAPAN	0245	12 20	8 43 54	22 07 31				845004
36751 MITAKA: JAPAN 11687 TORYUTUN: JAPAN	V 29	12 20	8 43 58.2 8 45 03.00	23 44 00	2 35	419 54	56 4k	434013
5757 TARADA - JAPAN	. 250	12 25	6 45 34	0 40	- 3			842004
36752 MITAKA JAPAN	29	12 -0	b +> 37.8	7 00		172 36	5. 1.	845505
36759 MIYAZAFI, JAPAN 36750 KAGOSHIMA: JAPAN	0230	12 20	8 46 4/.2 8 47 28	. 55 30	- 2 54			845002
36758 KANAGAMA: JAPAN	0219	12 20	8 58 20			40	70	845304
36761 KASHIWABARA, JAPAN 36762 TAKADA, JAPAN	0222	12 23	10 44 30 10 45 03•2	21 49	- 6	•		04500Z
36'65 KAGOSHIMA • JAPAN	3218	12 20	10 45 26.5	24 14 30	-1 · . · · · · · · · · · · · · · · · · ·			845002
36611 QUEZON . ITY . PH. IS.	3500	12 20	.0 -6 13			345 00	45 00	845304
35764 MIYAZAFI, JAPAN 35763 CITA, JAPAN	0230	12 20	10 46 45.4	22 51 54	-17 us -21			845002
36612 QUEZUN CITY: PH.IS.	0500	17 20	10 48 .0		•••	. 46 00	73 46	۷۷۵۵۷ کا ۵۹۵۵۷
36613 QUEZUN CITY. PH.IS.	2500	12 20	10 49 46.5	5 33		102 00	64 00	842342
36825 SYDNEY. AUSTR. 36826 SYDNEY: AUSTR.	0602	12 20	11 05 09.0	5 02	- 0 30 - 6 48			842047
36827 SYDNEY, AUSTR.	0602	12 20	11 11 15-1	0 26	-15 4.			845045
11714 NAINI TAL <sup>4</sup> 8N, INLIA 11715 NAINI TAL <sup>4</sup> 8N, INCIA	9006	12 20	12 37 59.66	0 25 06	25 20 6 10			434013
11716 NAINI TALIBN. INDIA	9005	12 20	12 44 18.65	2 46 06	-14 0-			434013
35614 OUEZON CITY, PH.15.	0500	12 23	12 51 67			239 30	23 60	045364
36616 JUEZON CITY PH.15.	0500	12 20	12 52 13			230 00	24 00	845304
3568; BOCHUM. JEH.	8244	12 23	15 32 58.2	0 44 .4	-20		••	845042
11691 CURACACIONE MENELE	9009	1. 4.	_ 34 Imax9	. 3 53 1.	-12 17			434013
11719 AREGUIFATEN. PERU	9007	1. 21	u 38 1 <b>4.</b> 30	3 JG JG	30 09			434013
35518 LTMA, PERU 11704 VILLA DOLORES'BN,ARC	0814 9011	12 21	0 40 10.0	4 52 12 4 32 06	13 58			84000L
11 705 VILLA DOLOPES BN.APO		12 21	2 52 23.32	7 09 -8	-17 36			434013
36619 SACRAMENTO. CAL.	8517	12 21	2 19 26.5	21 57 14	- 1 37			641013
36622 CHINA LAFE, CAL. 11692 OPGAN PASSIBN, N.M.	8588 9001	12 21	2 20 58.2	22 22 06	-14 43	. 223 46 1	1 40 34 1.	434013
367 T PUEBLA. MEX.	0900	12 4.	1 .0 51.5	22 10 30	- 1 5.			845013
367.8 PUEBLA. MEX. 11706 VILLA UGLGRES BH.ARC	0040	12 21	2 49 21.41	3 14 15	-15 19 -28 30			434023
11737 VILLA DULUFESTBY.ARG	9011	12 21	2 56 47.36	8 51 36	-51 +8			434023
11708 VILLA DULDRESTANTAR		12 2.	6 23 04.50	3 39 36	-72 45			434023
11718 MAUI'BN: MARAII 11710 VILLA LÜLUPES'BN:AR		14 21	7 06 52.33	13 38 46	-19 05 -53 05			434013
35 771 MIZUSAWA, JAPAN	0267	12 21	8 06 00			260 24	46 54	845304
36766 MITAKA: 'APAN 367°C PASHI#AHARA: JAPAN	0223	12 21	8 08 24.T 8 09 20			181 18	66 12 89	845303 845304
36767 MI AKA. JAPAN	0229	12 21	8 09 32-1			243 36	74 30	845303
117:1 TOKYO'DN: JAPAN 36769 MUSASHINU: JAPAN	9005	12 21	8 09 48.90	22 34 42	23 .1		7.0	434013
36768 MITAKA: JAPAN	0233	12 21 12 21	8 10 11.6 8 11 02.3			180 06	70	∡05خ48 د05خ4¤
11721 AREGUIPA BN. PEPU	9007	12 21	9 16 20.17	15 29 00	-37 44	7		4340.0
36774 MIYAZAFI, JAPAN 36773 KASHIBABARA, JAPAN	0230 0222	12 21 12 21	10 10 51.5 10 10 55	21 35 00	- 0 36 - 6			645002 845004
36852 BAGUIO CITY PH.Is.	0504	12 21	10 10 58.9		٥	349 18 3	5 43 <b>\$</b> √ 40	842304
36775 FAGOSHIMA JAPAN	0218	12 21	10 11 21	22 00	- 2 12			845002
36644 QUEZON CITY: PH:IS: 36772 CITA: JAPAN	0500	12 2 <b>1</b> 12 21	10 11 32.5 10 13 27	23 20	-23	353	0د . ۵	645302 845002
36645 SUEZON CITY. PH.IS.	0500	12 21	10 14 14			51	57 00	649304
11712 TOKYOTER: JAPAN	9005		10 14 55 30	23 04 18	-29 36	p 7 1 •	e 51. > .	434023
36853 BAGUIO TIY. PH.IS. 36646 QUEZON CITY. PH.IS.	3504 3500	12 21	10 15 04.4			87 3 <b>7 4</b> 76 30	8 54 22 42 53 30	645302 845 <b>30</b> 2
36854 BAGUIO CITY. PH.IS.	0504	12 21	10 22 17.5				8 12 51 03	845932
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35829 SYDNEY. AUSTR.	0602	12 21	10 33 29.3	4 +8	6 30			845049
3683C SYDNEY. AUSTR. 36855 BAGUIO TITY. PH.15.	0602 0504		10 35 03 12 16 16.4	5 29 30	- 2 15	239 39 0	0 28 00 36	845304 <b>9</b> 845304
36776 MIYAZAKI, JAPAN	0230	12 21	12 16 34.5	22 53 48	-33 00			845002
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36777 KUNKU: JAPAN 35778 FANANA MASHI: JAFAN		2 22	9 34 29.6	19 52 30 21 30	10 42 - 5 24			8450 8450	
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36654 SACRAMENTO, CALO 36864 BAGUIO CITY, PH.15, 36905 MIYAZAKI, JAPAN	0504 12 25	2 08 56.2 9 56 12.5 9 57 13.0	23 08 \$4 -34 <b>2</b> 2 21 03 48 -17 30	300 22 48	36 54 00	845043 845302 845003
36906 KAGOSHIMA: JAPAN 36865 BAGUIO CITY: PH:IS: 36904 YATSUSHIRO: JAPAN 36866 BAGUIO CATY: PH:IS:	0218 12 25 0504 12 25 0272 12 25 0504 12 25 0504 12 25 0504 12 25 0504 12 25	9 57 28 9 57 53.5 9 58 17 9 59 46.1 10 01 28.5 10 05 46.5 10 08 45.8	21 24 -21 18 21 22 -24 96	289 40 12 225 50 214 54 36 169 34 48 150 12 00 148 49 12 229 48	\$6 17 24 15 24 69 06 00 53 40 48 22 06 00 10 21 00 15 24	845002
36656 SAN JOSE, CAL.  11760 VILLA ODLORES'BN.ARG  11761 VILLA DOLORES'BN.ARG  11763 VILLA DOLORES'BN.ARG  11764 VILLA DOLORES'BN.ARG  11762 VILLA DOLORES'BN.ARG  11762 VILLA DOLORES'BN.ARG  36909 RAGOSHIMA. JAPAN  36907 RAGOSHIMA. JAPAN  36910 BAGUIO CITY. PH.IS.  36871 BAGUIO CITY. PH.IS.  36871 BAGUIO CITY. PH.IS.  36872 BAGUIO CITY. PH.IS.  117-5 HOOMERA'BN. AUSTR.  117-5 RODERISCH. GER.  55945 RODEWISCH. GER.  55946 RODEWISCH. GER.  11750 CURACAO'BN. N.W.I.	9011	4 06 56.32 6 06 24.82 6 20 00.74 8 22 55.03 9 23 14 9 23 59.0 9 25 34.6 11 22 10.4 11 28 37.7 11 38 40 11 42 38.75	22 55 20 -29 20 6 25 90 -63 00 1 50 30 -68 40 1 32 00 -43 40 12 32 46 -48 22 10 29 36 -33 36 21 03 -17 24 22 06 00 -33 36 21 24 00 -22 4 22 06 00 -33 36 20 18 06 -18 16 20 24 00 -19 00 19 50 30 18 20 0 14 00 -47 19	274 03 00 229 28 48	4 52 46 \$> 28 12 2 01 14	845002 434023 434023 434023 434023 845002 845002
36901 ALBUQUERJUE, N.M. 36902 ALBUQUERJUE, N.M. 11777 VILLA DOLORLS'BN.ARG 11778 *ILLA DOLORLS'BN.ARG 11778 VILLA DOLORES'BN.ARG 11770 VILLA DOLORES'BN.ARG 36910 YOKKAICHI- JAPAN 11767 WOOMERA'BN. AUSTR. 36834 SYDNEY, AUSTR. 36835 SYDNEY, AUSTR. 36835 SYDNEY, AUSTR. 11776 NAINI TAL'BN. INDIA 11766 *OOMERA'BN. AUSTR. 11771 MAUI'BN. HA-AII 11771 MAUI'BN. HA-AII 11771 MAUI'BN. HA-AII 11772 OLIFANTSFNTN'BN.S.AF 36873 PRETOPIA, S.AFR. 56152 USIWINAS	9011 12 27 9018 12 27 9018 12 27 9003 12 27 9002 12 27 9002 12 27 9002 12 27 9006 12 27 9006 12 27 9003 12 27 9003 12 27	3 31 35 47 1 5 42 01.65 8 51 56 11 08 21.67 7 11 14 34.6 11 16 01.6 11 17 57.6 12 46 24.6 5 13 17 30.79 15 23 05.64 15 51 30.11 18 59 32.33 19 00 26.2 25 50 11.67	1 54 %17 01 3 08 -49 30 4 % 30 -57 12 6 45 -58 % 21 25 24 -28 % 5 11 30 -77 15 7 45 06 -82 51 12 58 42 -5% 33 0 58 24 -47 53			845042 434023 434023 434023 434023 434013 845002 434013 845049 434023 434023 434023 434023 845041 845009 845009
36657 SACRAMENTO, CAL. 36658 SACRAMENTO, CAL. 36791 PUEBLA, MEX.	8517 12 28 8517 12 28 0500 12 28 0500 12 28 0500 12 28 0504 12 28 0504 12 28 0506 12 28 0506 12 28 0506 12 28 9003 12 28 8528 12 28 9003 12 28 8528 12 28 6404 12 28	2 24 34.0 2 25 09.8 5 21 >6.3 10 16 30.5 10 17 24 10 17 27.7 10 18 58.1 10 23 36.1 10 23 29 10 42 58.7 12 40 124.16 14 45 43.4 14 54 34.4 16 55 07.60 16 57 19 18 21 40.4 18 25 30.0 18 26 00.0 18 30 00.0 18 31 00.0 18 32 00.0 18 33 00.0 18 33 00.0 18 34 00.0 18 37 00.0 18 39 00.0 18 39 00.0 18 39 00.0 18 39 00.0 18 39 00.0 18 39 00.0 18 39 00.0 18 39 00.0 18 39 00.0	20 35 54 -24 15 20 49 18 -27 02 13 16 54 -55 29 6 27 -53 48 1 52 00 -65 25	263 254 247 15 36 230 36 00 192 37 48 193 30 236 12 232 18 224 00 215 18 205 42 188 00 179 48 172 12 165 30 160 18 155 30 161 10 147 18 144 00 147 18 144 00 169 30 169 30 169 30 162 30 162 30 167 00	29 00 30 30 31 12 35 36 30 30 33 12 35 36 35 36 35 36 35 36 35 36 37 40 31 24 28 42 26 24 23 36 20 36 18 00 15 12 12 42 37 55 26 34 31 12	0 10 10 3 0 41 10 43 0 45 10 43 0

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36722 SACRAMENTO. CAL.	8517 12		1 32 . 8.9	21 .2 00	-15 09	AC 1.10111	A	641043
11789 CURACAO UN. N.W.1.	9009 12		8 30 06.91	13 38 54	<b>-49</b> 13			434023
11790 CURACAO' BN. N	9009 12		8 24 01.51	44 90 44	-27 17			434023
36794 SYONEY AUSTR	0602 12		10 08 05.4	6 13	- B 12			845049
36 195 SYDNEY AUSTR.	0632 12		10 10 010	7 . 9	-46 36			845049
36796 SYDNEY AUSTR	0602 12		10 11 12.4	B U-	-45			845049
11781 JUPILER BN. FLA.	9010 12		10 52 21.74	12 67 44	-48 44			434023
11782 JUPITER BN. FLA.		29	10 53 53.03	13 09 14	-43 .8			434023
11783 JUPILER BN. F.A.	9010 12		10 94 18.28	13 17 24	1 20			434023
36799 ADELAIDE AUSTR.		29	12 04 69.9	1 10	- 5 36			845042
11785 HOOMERA'BA AUSTR		29	12 05 55 48	בש על	-68 00			434023
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36832 STENEY - AUSTR.		29	12 13 .0.2	9 06	-68 36			042447
36724 ALBUQUERQUE: N.M.		29	12 57 50.0	A> 15	-12 00			842041
36725 ALBUQUEPQUE, N.M.		29	13 01 00.5	10 44	- 8 45			845646
36726 ALBUGULFQUE - N.M.		29	13 02 •7•.	17 38	12 10			845041
36831 ADELAIDE, AUSTR.		29	14 00 37		-57 ÜE			845042
11796 HOOMERA BN. AUSTR.		29	14 09 41.07	i 36 30	-71 33			434363
36819 ADELAIDE, AUSTR.		49	19 14	8	-14 06			845046
11787 DOMERATON AUSTR		29	16 19 4.44	<b>♦</b> ∪ 10 00	-66 .0			434043
11786 BOOMERA'EN. AUSTR.		29	18 22 04.54	1 14 14	-44 46			434023
11799 TORYUTUN. JAPAN		29	20 41 28.70	. 2 22 20	-15.3			434015
36723 SACRAMENTO. CAL.		2.6	. 1 09 10 1	., ,, ,,	., .,		41.0	04,334
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11794 VILLA CULORES BLOANU	9011 12	30	1 46 10.34	441 00	-65 56			43402
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117.5 VILLA DOLOHES BY AR		30	3 47 44.1.	0 1 30	-50 .7			434023
11796 WILLA . OLORES BN . ARG		3.0	3 58 . 3	بال في هذ	-57			-34023
11791 SAN FERNANDO-BN. SF.		30	6 33 4.000	AD 15 DW	8			+34013
11793 CURACACIMA. N 1.		30	10 16 13.6.	00 .4	-39 -3			434023
36819 PUEBLA. ML.	U / DC 12	3.0	10 16 64.00	. 4 - 5 30	- 32 00			845043
35810 PUEBLA. MIX.	J930 12		10 17 44.0	/ . 8	-40 .4			842043
36033 SYDNEY. AUSTR.	360. 12	30	11 30 57.0	باد د، ب	-45 44			842047
3682 SYENLY . AUSTR.	Jour 1.	30	.1 38 4	1 00	-64 .0			842447
3581: PUEDLA. MEX.	0000	3 Q	12 19 1	25 4.	55			845045
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AUDITIONS TO OBSERVATION LISTINGS PRESIDUSEY PUBLISHED IN JAC SPECIAL REPORTS FOR THE VEAR 1.60.

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56301 SLOUGH	8146 8 12	.3 12 00	. 7 54 . 7 . 55		637607
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55722 POTSDAM+ GEH.	2729 8 12	. 3 18 0 6	10 06 .2 .4		834009
55723 POTSDAM, GER.	2729 8 12	13 19 06.1	23 26 24 23 30		834004
55724 POTSDAM. GER.	.729 8 12	.3 19 37.7	م. 3 ± 18 − 15 د د . •		834004
55081 SAN SALVADOR M5	5037 B 13	.0 56 36		197 16 1.	<b>3</b> 7 15 36 000309
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55083 SAN SALVADOR MS	<b>5</b> 037 ⊌ 13	0 58 30		125 30	46 .0 4. 030335
55-84 SAN SALVADOR M5	5037 8 13	0 59 30		114 45 30	7 4 UU UU .A FE
55 85 SAN SALVADOR M5	5037 8 13	1 00 30		78 33 30	30 01 30 000309
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55387 SAN SALVADOR M5	5037 8 13	1 02 30		8U 36 38	47 17 24 000305
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55J92 SAN SALVACOR M5	5037 8 <b>1</b> 3	1 07 12		61 20 06	8 37 48 000309
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55069 BAHAMAS M3	3908 8 13	3 00 30		259 54 00	52 31 48 000309
55070 BAHAMAS M3	3908 8 13	3 01 30		274 37 1.	. 61 52 12 000309
55071 BAHAMAS M3	3908 8 13	3 02 30		315 14 24	00 32 24 000309
55072 BAHAMAS M3	3908 8 13	3 03 03		335 48 48	5 61 43 Lc 000309

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## CORRECTIONS TO OBSERVATION LISTINGS PREVIOUSLY PUBLISHED IN SAC SPECIAL REPORTS FOR THE YEAR 1960.

085 NO	STATION	STA NO	DA	ΤĒ		110	46	F	. /	١.	DEC		AZ IMUTH	ALTITUDE	HANGE	INDEX
55721	POTSDAM	2729		12	23	17	14.0	21			20					834049
	POTSDAM	2729	8	12			01.8	2.			22					834049
	POTSDAM	2129		12			02.9			42	23					834049
	POTSDAM	2729		12			37.7			54		29				834049
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55726	ROOEWISCH+ GER.	2733	8	13	22	>5	21.0	23	22	42	11	16				834009
30898	WALNUT CREEK. CAL.	8556		15	8	32	45.2	3	52	00	3 9	54				845004
55742	ROOEWISCH. GER.	2733		16	19	42	10.3	1.0	14	18	-22	06				834009
55743	RODEWISCH. GER.	2733	8	16	21	52	19.2	22	33	12	25	42				834009
55753	SOMMEBERG	2730		19	20	49	10.0	23	41	48	2.2	06				834049
55754	SONNEBERG	2730		19			23.5			54		12				834049
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55755	SONNEBERG	2730		20	٥	55	57.7	0	07	30	14	06				834049
	SONNEBERG	2 7 3 0		22			51.5			36		48				834049
	SONNEBERG	2730		22			10.2			54		48				834049
55758	SONNEBERG	2130	8	22	23	45	53.3	19	29	2 4	26	1 5				834049
55761	SOMEBERG	2730	-8	23	21	20	46.2	19	00	24	31	06				834049
55762	SONNEBERG	2730	8	23	23	23	37.5	16	5.8	48	26	24				834049
										1171		-				
55757	SONNEBERG	2730	8	24	21	02	22.6	24	41	06	30	00				834049
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	WESTFIELD P. MASS.	5021		25			1.2		39			48				637007
55768	SONNEBERG	2 7 3 0	8	25	20	36	20.5	16	05	36	27	36				634049
55769	SONNEBERG	2730	8	26	2.0	19	33.6	2.3	0.5	00	25	18				834049
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30090 ROCHESTER . N.Y.	8564	9 01	1 30 13.6	19 20 📲	63 54			845033
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30096 CHINA LAKE. CAL.	0038	9 01	3 25 41.6			0 00	41 55 48	64.303
30092 SACRAMENTO. CAL.	8517	9 01	5 29 40.4			0 00	5.04	641304
30134 VAN NUYS. CAL.	0113	9 01	5 30 3••0	20 57 16	82 56			おもうじゅう
30097 CHINA LAKE. CAL.	0098	9 01	5 30 •0•5			2 00	46 C8 .4	641303
30093 SACRAMENTO, CAL.	8517	9 0.	5 04 59.8			3 35	J4 36	0-430-
30076 SACRAMENTO. CAL.	8>17	9 03	4 40 19.2			0 00	> C.	04.334
30094 SACRAMENTO CAL.	8517	♥ 34	→ .5 38.8			- 55	٥. ٧٥	042334
30095 SACRAMENTO, CAL.	8517	9 05	3 50 58.5			0 00	وو پر	64.304
30098 FOCHESTER . N.Y.	856-	9 36	1 3. •7.8	17 47 4.	5. 39			04263
30099 SACRAMENTO, CAL.	8517	9 56	3 6 18.0			0 00	5J 37	64.304
30143 POCHESTER. N.T.	8564	9 07	1 07 01.6	18 58 36	56 48			5 <b>4</b> 503 <b>4</b>
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30136 VAN NUTS+ CAL.	0113	9 38	4 43 144.		67 37			045045
10012 WOOMERATEN. AUSTR.	9003	¥ 10	19 21 34.9	9 0 00 50	-65 .7			424023
10013 SAN FERNANDUIENT SP.	9004	9 10	21 40 45 4	8+ 02 41 0	7 7			43466
10014 SAN FERNANDO BN. SP.	9304	9 10	21 41 07 • 0	00 19 41 18	24 31			434023
10015 SAN FERNANDC BN. SP.	9004	9 10	21 41 35.3	20 66 48	20 3-			434013
10009 OLIFANTSENTH'BNIS.AF	9002	9 11	2 15 04.0	2 48 0	-06 04			434023
. 10010 OLIFANTSFNTN'BN.S.AF	9002	9 11	2 15 43 • 4	0 21 47 12	<b>-</b> 78			434043
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10025 VILLA DOLOFES'BNOAHO		9 11	8 C7 13.5		-50 40			434063
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10372 ORGAN PASSIBNO N.M. 30101 DENVER COLU. 30102 FL. WORTH, TEX. 30108 WOOMERA AUSTR. 10370 WOOMERAIN, AUSTR. 30103 SACRAMENTU, CAL. 10373 ORGAN PASSIBNI N.M. 10377 NAINI BALTON, INUIA	8517 10 2. 9001 10 9006 10 2.	12 15 27.6 12 16 10.50	3 43 30 60 21 5 24 30 49 27 2 42 34 65 54 2 ? 42 -65 42 5 5 5 5 6 6 6 3 16 24 59 6	147 36 155 00 0 00	7 <b>1</b> 18	434013 434013 645303 645013 645304 434043 644304 434013
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10395 WOOMEPATEN. AUSTR. 10394 ORGAN PASSTON. N.M. 3-173 DENVER. CULC. 10396 WOOMERATON. AUSTR. 30174 WOOMERAT AUGITA. 10-07 OLIFANISTNINGARDAF	0603 10 2	5 10 39 10.10 10 40 52.0 11 59 51.76 11 00 08.0 5 17 48 \$0.00	ور ۱۹۵ - ۱۹۵ د د د د د د د د د د د د د د د د د د د	ם ב זיני מר זיני	67 12 62 46	434023 845303 434023 645302 434023 434023
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3718 ORGAN PALSTON, No.M. 3718 ORGAN PALSTON, No.M. 0604 ORGAN PALSTON, N.M. 0614 TIPRE HALLE INC. 0613 JUPITER HALLEN, INC. 0605 ORGAN MASSIBN, N.M. 0614 NAINI TALLEN, INCIA 0617 JUPITER HON, F.C. 0616 CURACAO'DIN, N.M.	7604 11 22 9001 11 22 7001 11 22 9010 11 22 9010 11 22 9001 11 22 9000 11 22 9010 11 22 9010 11 22		21 22 42 0 13 48 19 14 48 20 23 18 0 22 04 54 6 20 48 42 18 03 00	23 24 47 05 69 14 61 14 57 05 24 24 51 43	336	76 00	434013 434013 434013 845303 434013 434013 434013 434013 434013

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10253 (INCINNAT), UHIO 30255 STATE (CULEUE, PA. 30255 AALNUT CREEF, CAL. 30257 DENVER, COL. 30254 INCINNATI, CHIO 10537 AREGUTHATUN, PER 10522 TOKYUTU, JAPAN	0074 0050 8594 8556 8592 0050 7007 9005 9006	11 24 11 24 11 24 11 24 11 24 11 24	12 35 06.64	18 51 00 23 31 24 52 00 22 40 50 20 06 06 40 33 48 42 51 36 44 44 48 10 58 48 44 14 48	30 20 30 36 50 53 41 54 37 00 18 43 34 04 43 14 73 36 34 -4	3 <b>3</b> 3 3 12 342 36	82 45 72 42 66 24 00	434013 845303 641045 845004 845503 845004 845504 434013 434013 434013
31208 TERRÉ HAUTE, INU. 30209 UTILOUTI, MO. 10020 UPPTERTON, FLA. 10020 UPPTERTON, FLA. 10020 UPPTERTON, FLA. 10020 UPPTERTON, FLA. 10040 VILLA UDURESTENIARO 10020 CORACALTAN, N.M.IL 10030 HAINI TACTON, INLIA 40040 SAN FERNANCOTON, JP. 10033 SAN FERNANCOTON, JP.	901J 931: 931: 9339 9306 9304	11 25 11 25 11 25 11 25 11 25 11 25 11 25 11 25	31 51.30 7 Up 50.56 7 Up 94.6 9 Up 08.10	11 13 36 4 54 30 . 07 00 	45 38 78 59 85 41 75 20 29 01 12 42 -34 39 87 32 32 26 71 12	329 <b>3</b> 0	86 J <b>0</b>	84>303 84>012 434013 434013 434013 434013 434013 434013 434013 434013
30.00 Michaelte . 100. 1.041 JUPI'E * 104. 2.301 FORT AGRIM 124. 3.102 CINCINATI. 3410 3.303 Michaelte . 136. 1.038 JUPACADIEN. No.11. 1.038 AREGUIPATEN. PER 1.031 * * * * * * * * * * * * * * * * * * *	9010 0139 0050 0074 0074 9009 9007	11 10 11 10 11 10 11 10	0 07 36.8 0 7 37.2 8 37 24.56 0 38 48.79 0 35 43.46 0 35 43.46 0 35 43.46 0 35 45.45	.0 .0 36	78 .7 83 36 57 58 57 24 56 .4 -40 5. 17 .6 5 .7 42 .6 77 53			\$45015 \$45015 \$45015 \$45016 \$41045 \$41045 \$4015 \$45015 \$45015 \$45015 \$45015
12634 TORYUTEN, JAPAN 333ET HIGESHIVATSKETAMA, JAR 12636 NAINI TALIBNI INDIA 12632 NOCMERAINN AUSTP. 11651 JUPITERIEN, FLA 32667 CINCINNATI UHID 12652 JUPITERIEN, FLA	9006 9003	11 27 11 27 11 27	9 30 30 40 7 9 32 44 1 13 24 07 0 18 11 14 0 23 11 30 8 23 14 34 70	18 06 12	56 35 46 36 5 25 46 06 37 41 74 38	o 00	52 42	434013 845302 434013 434013 845004 434013
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10660 ORCAN PASSIEN, 4.M. 10562 JUPITERIAN, FLA. 3.268 FORT MORTH FEX. 10663 JUPITERIAN, FLA. 50124 SPOKANL, WASH. 10661 ORGAN PASSIEN, Y.M. 10665 NAINI TALIBN, INDIA 10566 NAINI TALIBN, INDIA	9010 0139 9010 8142 9001 9006 9006	11 29 11 29 11 29 11 29 11 29 11 29	12 35 57.03	12 02 30 23 04 30 8 17 30 20 12 30 18 06 30 97 46 00	56 28 83 00	180	ני נט 🖣	434013 434013 845013 434013 434013 434013 434013
10671 OLIFANISENTNIBNIS.A: 19688 ORGAN PASSIEN. N.M. 33277 FANSAS CITY. MO. 13269 FANSAS CITY. MO. 13667 ARLOUIPAIBNI PERU 13669 VILLA DOLORESIBNIAR 2670 VILLA DOLORESIBNIAR 13674 NAINI 1ALIBNI INGIA 13675 BOOMERAIBNI AUSTRI	9001 0036 9007 9011 9006 9003	11 30 11 30 11 30 11 30 11 30 11 30 11 30 11 30	2 28 42 45 2 32 04 6 2 32 07 3 03 36 20 7 07 23 40 3 12 26 16 14 19 43 62 16 57 13 44 18 93 48 810	18 23 54 8 05 42 8 22 30 11 12 36 12 14 00 9 29 42 20 21 54	71 45 0 44 15 45 -15 40 87 48 12 19 58 12		>0 00 >0 0 <b>0</b>	434013 845302 845303 434013 434013 434013 434013 434013 434013
30271 TERRE HAUTE. INO. 10675 ORGAN PASSIBN. N.M. 10687 VILLA ODLORESBNIAR 10680 VILLA ODLORESBNIAR 10688 TOKYO'BN. JAPAN 10677 HODMERAIBN. AUSTR. 10678 SAN FERNANDO'BN. SP 30272 MILWAUKEE. WISC.	9001 6 9011 9005 9005 9006	1 12 01 5 12 01 3 12 01	9 59 37.20 16 32 23.18 19 49 31.60	0 10 57 30 0 2 11 00 0 9 13 48 0 22 45 30	25 15 -12 55 81 35 15 10	ı	62 15	845303 434013 434013 434013 434013 434013 434013
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10694 10696 30302 10683	VILLA DOLORES'BN.ARG TOKYO'BN. JAPAN YATSUSHIRO. JAPAN WOOMERA'BN. AUSTR.	9011 12 03 9005 12 03 0272 12 03	5 55 25.54 7 59 43.76 9 09 20.60 11 12 29 17 47 28.65 22 53 30.6	8 59 18 7 33 00 21 18 00 7 58 42 22 23 30	9 28 -40 20 81 17 -25 10 57 18	0 00	57 42	434013 434023 434013 845302 434023 845013
30277 30282 30283 30266 30303 30304 10684 10685	N. CANTON. UHIO SACRAMENTO, CAL. SACRAMENTO, CAL. CINCINATI. CHIO YATSUSHIRO. JAPAN EAGCSHIMA. JAPAN	0050 12 04 8559 12 04 8517 12 04 8590 12 04 0050 12 04 0272 12 04 9003 12 04 9003 12 04 9003 12 04	0 57 18.0 0 58 06.8 2 53 16.5 2 53 25.0 2 56 43.8 10 47 39 10 48 05 15 22 06.08 17 22 43.97 18 35 24.30	1 00 24 0 54 10 23 38 06 20 26 42 0 47 9 55 48 7 49 42 21 25 00	75 28 66 40 76 40 39 29 85 12 1 21 -49 29 80 15	0 00	51 19 38 18	845004 845014 845013 845004 845303 845002 434013 434013
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30266 10762 10697 10743 3635 10777 10775	ORDAN PADSIDN, N.M. AREGULFATON, PERU VILLA DUCUFESTON, AND YATSUNHARU, DAPAN	8586 12 06 9001 12 06 9007 12 06 9011 12 06 0272 12 06 9005 17 06 9003 12 06	2 U4 37+3 c 04 41.0 c 05 10+40 6 41 32+08 6 47 07+00 7 08 37 10 01 32+40 16 33 19+75 18 38 39+05 c 3 42 10+0	0 46 36 2 29 00 7 37 42			35 D4	845003 62046 620464 620464 620464 620464 620464 64064 64064 64064 64064
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30320 OENVER, CULU. 30350 ALBUQUERUUE, N.M. 10808 ORGAN PASSIBN, N.M. 30321 OALLAS, TEX, 30322 FORT WORTH, TEX, 10812 JUPITERIBN, FLA, 10813 JUPITERIBN, FLA, 10784 AREQUIPAIBN, PERU 10809 ORGAN PASSIBN, N.M. 10810 ORGAN "ASSIBN, N.M.	8592 12 19 8534 12 19 9001 12 19 0129 12 19 0139 12 19 9010 12 19 9010 12 19 9007 12 19 9001 12 19 9001 12 19 8517 12 19	1 00 48.33 1 01 19.4 1 01 57.36 1 07 29.09 1 15 26.85 2 59 02.40 3 01 30.6	23 38 24 1 01 30 23 47 24 0 20 12 21 46 48 0 39 18 2 57 24 21 10 42	40 15 35 56 22 12 18 15 22 51 -14 30 42 05 12 33	213 <b>54</b> 160 00		04>303 84>043 84>013 84>013 84>013 434013 434013 434013 64>013 64>013 64>013
10785 AREJUIPAGEN, PERU 10815 VILLA DOLURESIBNARG 10815 VILLA DOLURESIBNARG 10816 VILLA DOLURESIBNARG 10822 TOKYDIBN. JAPAN 30345 MITAKA, JAPAN 30346 HIGASHIMATSUYAMA, JAPAN 10823 TOKYDIBN, JAPAN 10517 BOOMERAIGH, AUSIR, 10818 SOOMERAIGH, AUSIR, 10818 COMERAIGH, AUSIR,	7007 12 19 9011 12 19 9011 12 19 9011 12 19 9005 12 19 0210 12 19 9005 12 19		3 40 00 1 12 00	-42 30 -30 38 -78 04 -76 25	217 12 180 00	78 36 73 54	434023 434023 434023 434023 434013 845303 645303 434013 434023 434013 434023
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13854 MAUITON, HANAII 10855 SHIRAZTON, AUSTR, 13855 SHIRAZTON, IRAN 13851 MOMERATON, AUSTR, 13852 MOMERATON, AUSTR, 13853 SAN FEFNANDOTON, P 13855 OLIFANTSFRINGENS, AI 13867 JUPITERTON, FLA. 13841 M. PALW GERCH, FLA. 13868 JUPITERTON, FLA.	9006 12 22 9003 12 22 9003 12 22 9004 12 22 9002 12 23 9010 12 22	15 36 59.09 16 15 45.35 18 23 07.16 19 30 11.50 19 55 13.72 23 25 53.69 23 27 11	3 14 0C 44 41 54 42 45 00 13 21 30 41 45 44 4 4 00 24 45 54	-19 14 -64 23 -8 08 -88 38 -65 25 -5 05 -29 57 24 25	233	74 30	434013 434023 434023 434023 434013 434013 6454013 6454013
13856 OLIFANTSFNIN'BN•S•A. 13860 MAUI'BN• MARAII 12864 NAINI TAL'BN• INDIA 13861 "POMERA'BN• AUSTR• 13866 SHIPAZ'BN• IVAN	9006 12 23	5 27 04.15 13 13 29.26 13 43 47.73	0 04 12	-71 54 -18 19 -1 06 -62 42 - 1 5			434023 434013 434013 434023 434013
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10863 SAN FERNANDU'EN. SP							434013
10876 VILLA OOLORES'BN.AR 10877 VILLA OOLORES'BN.AR				- 2 15 -32 19			434013 434023

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10879	VILLA DOLORES'BNYARG	9011	12	26	2	43	54.40	6	25	00	-73	40				434023
	VILLA DOLORES BN. ARG		12				31.78			00	-84					434023
	VILLA OOLORES'BN.ARG			26			18.49	12			-65					434023
	WOOMERA'BN. AUSTR.		12				46.07			00	-64					434023
				_					_							
	VILLA COLORESIBNIARG			27			39.20			00	-61					434023
	WOOMERA'BN. AUSTR.	9003		27			37.89				-76	•				434023
10835	CURACACISN. N.W.I.	9009	12	27	23	34	30.02	22	06	48	-25	12				434023
10867	WOOMERA'DN. AUSTR.	9003	12	28	11	39	25.13	2	40	42	-42	56				434023
10888	WOOMERA'BN. AUSTR.	9003	1.2	28	13	45	57.73	1	02	00	-74	30				434023
10889	WOOMERATHH AUSTR.	9003	12	28	15	<b>5</b> 3	37.78	12	15	00	-78	35				434023
10894	WOOMERA'SN, AUSTR.	9003	1.2	29	1.4	14	45.14	2	20	30	-39	3.5				434023
	WOOMERA'SN. AUSTR.	9003		29			58.61			30	-76					434023
	WOOMERABAN AUSTR.	9003		29			28.83				-82					434023
	MAUI'BN. HAWAII	9012		29			43.36				-22					434013
	VILLA OOLORESIBNIARO			30			52.03				-10					434013
	L VILLA OOLORES'BN.AR(			30			05.30				-55					434023
	Z VILLA DOLORES'BN.AR			30			17.18			00	-53					434023
	3 VILLA DOLORES+BN+ARO			30			42.51				9					434013
	B CURACAO'BN. N.W.I.		1.2	30			53.96	14	34	48	-50	4 3				434023
	CURACADIBN. N	9009	12	30			10.19			30	-28	08				434023
10897	WOOMEPATEN. AUSTR.	9003	12	30	10	50	09.51	2	23	12	-37	1 ~				434023
10904	VILLA DOLORESIBNIARO	9011	12	31	0	40	47.06	5	50	06	-60	42				434023
50025	S LAREOD'RADAR. TEX.	4012	12	31			49.5						117 -8 0	0 67 54 0	0 1610	895307

## NOTICE

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